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ABSTRACT

Based on the need for indexing documents and interest profiles within a selective dissemination of information (SDI) system, the Bureau of Reclamation, Department of the Interior, has compiled this thesaurus of terms related to water resources. Development terms describing design and construction activities, as well as biological and physical science terms related to water resources, are emphasized. The 6,585 terms are arranged according to lead terms, together with both broader and narrower hierarchical relationship terms and related terms. USE references are noted to satisfy desirable standardization requirements. Additional sections in the thesaurus include: (1) an explanation of and examples for using the terms, (2) a subject category index of 22 major subject fields, each of which is subdivided into groups, and in some cases, subgroups, and (3) a hierarchical index displaying those descriptors having no broader terms and having one or more subordinate levels. (BL)

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ED 070644

thesaurus of
WATER RESOURCES TERMS

A Collection of Water Resources and Related Terms for Use in Indexing Technical Information

SE 015 352

UNITED STATES
DEPARTMENT OF THE INTERIOR

Bureau of Reclamation

ED 070644

thesaurus of WATER RESOURCES TERMS

A Collection of Water Resources and Related Terms for Use in Indexing Technical Information

U.S. DEPARTMENT OF THE INTERIOR
Rogers C. B. Morton, Secretary

BUREAU OF RECLAMATION
Ellis L. Armstrong, Commissioner

FIRST EDITION 1971

As the Nation's principal conservation agency, the Department of the Interior has basic responsibilities for water, fish, wildlife, mineral, land, park and recreational resources. Indian and Territorial affairs are other major concerns of America's "Department of Natural Resources."

The Department works to assure the wisest choice in managing all our resources so each will make its full contribution to a better United States—now and in the future.

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FOREWORD

Identifying the contents of scientific and technical works by the use of keywords has become a standard practice. Whereas formerly only the title was available to suggest the subject matter, over a period of recent years—really within the time span of one generation—authors have come to realize that index terms can play an important part as subject indicators. Coupled with the equally accepted abstract, they frequently can be relied upon to save researchers and others valuable time in searching for specific references pertinent to their questions of the moment.

The first thesaurus of the Bureau of Reclamation was compiled in 1963, and a Tentative Edition called *Thesaurus of Descriptors* published in that year. To a degree it represented a crash product developed to satisfy an urgent need for indexing documents and interest profiles within a selective dissemination of information (SDI) system. In subject coverage it dealt primarily with water resources development terms such as would be needed to describe activities in a design and construction agency. The inevitable peripheral terms having to do with administration, management, costs, planning, etc., were also included.

In 1966, the Office of Water Resources Research, Department of the Interior, published a *Water Resources Thesaurus*, an important step forward which recognized the values of other biological and physical sciences terms related to water resources, as well as many from the *Thesaurus of Descriptors*. As with any vocabulary, evolution in science and engineering as well as shifting emphasis toward solution of new problems combined to require a new thesaurus reflecting the influence of those factors. The product contained in this publication is the result of a 2-year concentrated effort by the Technical Evaluation Section, Engineering Reference Branch, Engineering and Research Center, Denver, Colorado.

This 1971 thesaurus contains 6,585 terms arranged according to lead terms and providing broader and narrower hierarchical relationships, as well as related terms. In addition, 1,721 USE references are included to satisfy desirable standardization requirements. The thesaurus is based on a merging of the 1963 and 1966 works mentioned above, but revised extensively to account for cumulative usage records from the Reclamation SDI system and data base. In the interest of multidisciplinary uniformity, changes in terminology have necessarily been made to provide maximum compatibility with the *Thesaurus of Engineering and Scientific Terms* of the Engineers Joint Council, 1967.

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Words are what hold
society together.

–Stuart Chase

Words are the only things
that last forever.

–William Hazlitt

The word is half his that speaks
and half his that hears it.

–Montaigne

Using the Thesaurus

Its Functions

Numerous tools have been developed in recent years to assist researchers and others in coping with an ever-growing scientific and engineering literature output. While the numbers of documents have been increasing on some scale other than a linear one, the unfortunate fact is that the potential readership must program study time on the basis of an unchanging 24-hour day. When considering that the number of authors continues to grow, that discoveries being reported vary from the unimportant or repetitious to the truly significant, and that the quality of some writings ranges from poor to exceptional, then pressing reasons are apparent for helping prospective readers to decide what to read and what to pass by. While a good case can be made for better voluntary policing by individual authors and reviewers, and professional societies engaged in publishing, to screen out all but the better materials, the total information base may be expected to build at a rate beyond the capacity of either the specialist or generalist to cope with.

Mainly within the last 20 years two devices have surfaced and developed to provide practitioners a means of rapidly evaluating the worth on a subject basis of new written materials: the abstract of document content and the index of keywords representing content. This publication is concerned with the latter.

The use of keywords (descriptors) adds much to the title alone in defining technical content. When such terms are accompanied by a well-composed abstract, a prospective reader should be able to evaluate content and interest quite effectively and rapidly. The use of keywords goes much beyond servicing the needs of readers, however, in that retrieval of references in the future can be clued to search questions defined by keywords, as in numerous manual and computerized techniques.

The greatest specificity is attained, of course, through the efforts of specialists in each field of endeavor in selecting terms and compiling thesauri to cover the vocabularies in those fields. Even the compilers of unabridged dictionaries do not attempt to include all specialty words, and there are numerous reasons why thesaurus builders should restrict themselves to fields in which they have the requisite competence.

The *Thesaurus of Water Resources Terms* is thus a compilation limited to words serving the water resources field. The user will notice the addition of obvious exceptions—management, administration, costs, etc.—but a minimum number of such terms common to most fields has been included. As with all thesauri, there will be terms inadvertently left out, and the very process of scientific evolution will render it less useful as discovery adds to knowledge.

This thesaurus may serve another function by virtue of the hierarchical relationships shown for main, or lead terms; it may become vocabulary-building in the sense that shadings of meanings are implied, thereby suggesting greater specificity on the part of an author, abstractor, or indexer.

Selection of Terms

Considerable controversy accompanies opinions on how to index documents, whether in regard to articles that appear in periodicals, reports and monographs having lasting value, for interest profiles in selective dissemination of information systems, or for retrieving references by manual or computer means from an information base. More than the immediate use of an index should be considered because of the several applications it may eventually be called upon to serve. For example, some indexing finds visibility primarily in abstract bulletins or with citations, and has reached its only utility in facilitating a manual review of current references. Other indexing, as in a selective dissemination of information (SDI) system, is the device used to link users' interest profiles with documents in a computerized screening process limiting announcement to pertinent documents only. And beyond that are systems which use the data base accumulated in SDI for computerized retrieval by way of search questions defined by index terms from the same vocubulary.

In providing for retrieval of an indexed reference, redundancy is not only acceptable but is considered desirable. To provide otherwise would seem to erroneously validate an assumption that only one term correctly represents a detail, facet, concept, feature, etc., in water resources, and that users should have only that term in their vocabularies when indexing a document. Obviously, many near-synonymous relationships exist, and since few of us are language purists or professional semanticists, allowance should be made for describing document content with more than one set of terms. Indexers in the Bureau of Reclamation, in fact, are required to include synonymous terms so that retrieval of references in the future may be better assured, regardless what term keys the search.

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The user will notice that terms range from the very general—fish—to the more specific—minnows, fish barriers, or yellow perch. The intent is to encourage the indexer to use the very broad term only when document content deals with "fish" in the broadest context, and to be as specific as possible when it focuses on a narrower facet of some problem on fish. Similarly, "civil engineering" should not be used when the subject is limited to "spillway crests."

No hard and fast guidelines are appropriate to decide what number of terms should be used to index a document. The length of the publication is not necessarily indicative, nor is the subject matter alone. Professionals in the Bureau of Reclamation frequently use 15 to 25 keywords. Perhaps a satisfactory guideline an author could use in indexing his own report would be to consider whether he could retrieve that report, if in the shoes of another researcher, through examination of the selected keywords. Or, for another guideline, whether other scientists could use the indexing to retrieve references for a state-of-the-art review of value in preventing duplication of effort. Indexing is a judgmental matter, and the task should not be treated casually.

Thesaurus of Terms

Explanation

(Refer to similar letters on opposite page)

A. This is the main entry of the descriptor. When in this position it appears in bold-faced type.

B. UF = Used For. The descriptor at the main entry is to be used for any term listed under this notation. See D. where reciprocal entries are shown.

C. The dash (–) symbol in front of a descriptor indicates that the descriptor has narrower terms (not shown) and that the main entry should be consulted for these.

D. USE = USE reference. This refers the user to the preferred descriptor. USE and UF reciprocate throughout.

E. The four or five digit numbers following each descriptor at its main entry indicate the Subject Category Fields (first two digits), Groups (last two digits), and Sub Groups (decimal digit). Consult the Subject Category Index.

F. Scope Note. Used only when some clarification as to the descriptor's meaning may be needed or when more specific terms are recommended.

G. These terms are USE references, not descriptors. They will appear as main entries in italics (see D.).

H. BT = Broader Term. Descriptors under this notation represent a generically broader class which includes the main entry descriptor as a narrower term.

I. NT = Narrower Terms. The reciprocal of H. above.

J. Related terms are not considered as belonging in the same generic class as the main entry descriptor; but as having close association or relationship to it.

K. The descriptor to be used for this USE Reference term.

Examples of Entries and Notations in THESAURUS of TERMS

Descriptor Entry*

A. Descriptor

B. Used For

C. Indicates narrower terms exist under this descriptor

Groundwater 0808.1
(Subsurface water in the saturation zone)
UF Plerotic water
BT –Subsurface waters
NT Artesian water
Confined water
Malenclaves
Underflow
RT –Aquifers
Connate water
Groundwater basins
Groundwater depletion
Groundwater flow
Groundwater geology
Groundwater hydrology
Groundwater movement
Groundwater recharge
Infiltration
–Phreatic water
Saturation zones
Seepage
–Springs (water)
–Water table
–Water wells
Zone of saturation

E. Subject category

F. Scope note

G. Use Reference (See below)

H. Broader term

I. Narrower terms

J. Related terms

Use Reference Entry

D. Use Reference

Plerotic water
USE Groundwater

K. Descriptor to be used for Plerotic water

---

*This example has been slightly modified in order to display all situations.

A

Abatement 1407
NT Pollution abatement
RT Attenuation
—Control
—Damping
Design flow
Flood control
Purification
—Reduction
—Regulation
Water pollution control
Water pollution treatment
—Water purification
Water quality control

Abies (species unspecified)
USE Fir trees

Abies amabilis
USE Pacific silver fir trees

Abies balsamea
USE Balsam fir trees

Abies concolor
USE White fir trees

Abies grandis
USE Grand fir trees

Abies magnifica
USE Red fir trees

Abies procera
USE Noble fir trees

Abilities 0509
RT Careers
Crafts
Creativity
Human engineering
Human resources
Leadership
Learning
Occupations
Performance
Personnel management
Professional advancement
Professional development
—Psychology
—Training

Abiotic environment 1407
BT —Environments

Ablation 1407
RT —Cooling
—Erosion
—Evaporation
Glaciers
—Heating
—Ice
Icebergs
Melting
Precooling
Regimen
—Snow
Snowmelt
—Thermal properties
—Vaporization
Water supply

Abrasion 1113
RT Abrasion resistance
Abrasive blasting
Abrasives
Carborundum
—Cutting
Deterioration
—Erosion
External friction
—Friction
Friction coefficient (mechanical)
Friction tests
Grinding
Lubricants
Roughness (hydraulic)
Roughness coefficient
Scour
—Wear resistance
Weathering

Abrasion resistance 1113
BT —Durability
—Mechanical properties
—Wear resistance
RT Abrasion
Abrasive blasting
Abrasives
—Degradation
—Erosion
External friction
Hardness
Hardness tests
Toughness

Abrasive blasting 1308
UF Blasting (sand)
Sand blasting
RT Abrasion
Abrasion resistance
—Blasting
Cleaning
Descaling
Surface preparation

Abrasives 1111
RT Abrasion
Abrasion resistance
Carborundum
—Ceramic materials
Diamonds
—Grinders
Grinding
Grit
—Materials
Pumice
—Sands
Silica

A.B.S.
USE Alkylbenzene sulfonates

Absorbers 1107
RT —Absorption
—Acoustics
Attenuators
Cooling systems
Cushioning
—Damping
Dehydrators
Desiccants
Dryers
—Drying
—Extraction
—Insulation
Lagging
Neutron absorption
Radiation shielding
—Shielding
Surge tanks

Absorption 1407
UF Biological uptake
Ion uptake
NT Energy absorption
RT Absorbers
—Adsorption
Aeration
Attenuation
Biological membranes
Capillarity
Capillary action
Circulation (plants)
Desiccants
Desorption
—Expansive clays
—Insulation
—Membranes
Moisture uptake
Neutron absorption
—Osmosis
Oxygenation
—Penetration
Pesticide kinetics
Pipe tests
Porosity
Root systems
—Separation techniques
Sorption
Transpiration

Abstracting
USE Abstracts

Abstracts 0502
UF Abstracting
BT —Documentation
RT Annotations
Bibliographies
Current awareness
Descriptors
Editing
Keywords
Libraries
Publications
Technical papers
—Technical writing
Translations

Abutments 1313.1
RT Bridge foundations
Bridge piers
—Bridges (structures)
—Coastal structures
Dam foundations
—Dams
Damsites
Highway bridges
—Hydraulic structures
—Joints (connections)
—Piers
—Retaining walls
Revetments
Sea walls
—Spillways
Suspension bridges

Acaricides 0606
BT —Chemicals
—Pesticides
—Poisons
RT Entomology
Insect control
—Insects
Mites

Accelerated erosion 0807
BT —Erosion

Accelerated tests 1402
BT —Materials tests
—Tests
RT Concrete tests
Corrosion tests
—Environmental tests
Freeze-thaw tests
Laboratory tests
Test procedures
Wetting and drying tests

Accelerating (chemistry) 0701
RT —Acceleration (physics)
—Additives
Catalysts
—Chemical reactions
—Curing
Curing compounds
—Heating
Inhibitors
Mixing
—Retardants
Retarding

Acceleration (physics) 2011
NT Deceleration
RT Accelerating (chemistry)
Accelerometers
Centrifugal force
Centripetal force
Earthquake loads
Motion
Retarding
—Velocity
—Vibration

Accelerometers 1402
BT —Equipment
—Instrumentation
—Measuring instruments
—Test equipment
RT —Acceleration (physics)
Amplitude
Dynamometers
Geophones
Gravimeters
Seismographs
—Transducers

Acceptability 1407
RT Acceptance tests
—Codes
Compatibility
—Evaluation
—Inspection
Performance rating
Performance tests
—Properties
—Quality control
—Rejection
Reliability
Risks
—Sampling
—Standards
Tolerances (mechanics)

Acceptance tests 1402
UF Proof tests
BT —Materials tests
—Tests
RT Acceptability
—Codes
—Field tests
—Gradation analysis
Hardness tests
Impact tests
Index tests
—Inspection
Laboratory tests
—Moisture content
—Nondestructive tests
Performance tests
—Quality control
Relative density
—Soil tests
Test procedures
Test results
Test specimens
Unit weight
Wetting and drying tests

Access roads 1302.4
BT —Roads
RT Access routes
Highway engineering
—Highways
Right-of-way
—Transportation

Access routes 1302.4
BT —Roads
RT Access roads
Highway engineering
Highway relocation
—Highways
Right-of-way
Site selection
—Transportation

Accidents 1312
NT Motor vehicle accidents
RT —Damages
Disasters
—Explosions
Fires
First aid
—Hazards
—Safety
Shock (physiology)
Wrecks

Accidents (traffic)
USE Motor vehicle accidents

Acclimatization 0616
RT —Ecotypes
—Environmental effects
—Environments
Longevity
Speciation

Accounting 0501
RT —Allocations
Auditing
Budgeting
—Costs
Depreciation
Expenditures
Liabilities

Accretion (legal aspects) 0504.1
UF Alluvion
Reliction
RT Bank erosion
Boundaries (property)

Accuracy
Accuracy 1407
RT Calibrations
—Consistency
Correction
Errors
First order surveys
Hysteresis
—Inspection
—Measurement
Reliability
Reproducibility
Sensitivity
—Standards
Tolerances (mechanics)

Acequias 0203.1
NT Public acequias
RT —Civil law
Irrigation ditches

Acer species
USE Maple trees

Acid bacteria 0613
BT —Bacteria
—Microorganisms
—Plants (botany)
RT —Aquatic bacteria
—Aquatic microorganisms
—Aquatic plants
Ferrobacillus
—Mine wastes
—Sulfate reducing bacteria
Thiobacillus ferrooxidans

Acidic rocks 0807
BT —Crystalline rocks
—Igneous rocks
—Rocks
NT Granite
Perlite
Pumice
Rhyolite
RT —Acids
—Basic rocks
—Intermediate rocks
Pegmatites
—Plutonic rocks
Ultrabasic rocks
—Volcanic rocks

Acidic soils 0201
(pH less than 6.5)
BT —Earth materials
—Materials
—Soils
—Soil types
NT Gray-brown podzolic soils
—Podzols
Red podzolic soils
Yellow podzolic soils
RT —Acids
Lime
—Pedalfers
Spoil banks
Strip mines

Acidic water 0702
BT —Water types
NT Acid mine water
RT —Acids
Acid streams
Coal mine wastes
Mine acids
Strip mine lakes
Strip mine wastes
Waste water (pollution)

Acidity 0704
BT —Chemical properties
RT —Acids
Alkalinity
Buffers (chemistry)
Neutralization
pH
Soil chemical properties
—Soil properties
Water pollution effects
Water properties

Acid mine drainage
USE Mine drainage

Acid mine water 1302.2
BT —Acidic water
—Mine water
—Water
RT Acid streams
—Iron bacteria
Liquid wastes
Mine acids
Mine drainage
—Mine wastes
—Mining
—Wastes
Waste water (pollution)
Water pollution sources

Acids 0704
BT —Chemicals
NT Amino acids
Fulvic acids
Humic acids
Mine acids
—Organic acids
Sulfuric acid
RT —Acidic rocks
—Acidic soils
—Acidic water
Acidity
Acid streams
—Aerobic bacteria
—Alkalis (bases)
Chemical wastes
Neutralization
pH
—Salts

Acid salts
USE Salts

Acid streams 1302.2
BT —Bodies of water
—Running waters
—Streams
RT —Acidic water
Acid mine water
—Acids
—Contamination
Mine drainage
—Mine wastes
Stream pollution
—Water pollution

Acoustic equipment 2001
BT —Equipment
NT Hydrophones
RT —Acoustics
Amplifiers
—Detectors
Laboratory equipment
—Measuring instruments
Microphones
Radios
—Resonators
Sonar
—Sound waves
Ultrasonic tests
Underwater acoustics

Acoustic insulation 2001
UF Acoustic insulators
BT —Insulation
—Mechanical insulation
RT Attenuators
Cork
Cushioning
—Damping
Noise reduction
Panels
Shock (physiology)
—Sound waves

Acoustic insulators
USE Acoustic insulation

Acoustics 2001
BT —Physics
NT Underwater acoustics
RT Absorbers
—Acoustic equipment
Communication
—Elastic waves
Harmonics
Hydrophones
Mach number
—Mechanical properties
—Mechanical waves
Natural frequency
—Noise (sound)
Noise reduction
Reflection
Resonance
Sonic velocity tests
Sound
Sounding
—Sound waves
Tuning forks
Ultrasonics
Ultrasonic tests
—Vibration
Vibration damping
—Waves

Acoustics (underwater)
USE Underwater acoustics

Acquisition (data)
USE Data collection systems

Acquisition (land)
USE Land acquisition

Acreage 0202
RT Agriculture
Areal
Crop production
Cultivated lands
—Dimensions
Duty of water
Farm units
—Size
—Watersheds (basins)

Acroleins 0703
BT —Aldehydes
—Organic compounds

Acronyms 0502
RT Descriptors
Nomenclatures
Symbols
Vocabularies

Actinomycetes 0613
BT —Bacteria
—Microorganisms
—Plants (botany)
RT —Aerobic bacteria
—Anaerobic bacteria
—Organoleptic properties
Pathogenic bacteria
—Soil bacteria
—Soil microorganisms

Activated carbon 1107
RT Adsorbents
—Adsorption
Carbon
Liquid wastes
—Sewage
Sewage stabilization
—Sewage treatment
Solids contact process
Tertiary treatment
Waste water (pollution)
—Water purification
—Water treatment
Water treatment plants

Activated sludge 1302.1
BT —Industrial waste treatment
—Sludge
—Treatment
—Waste treatment
RT Aeration
—Aerobic bacteria
Aerobic treatment
—Biodegradation
Biological treatment
Cultures
Fermentation
Organic loading
—Sewage
Sewage bacteria
Sewage stabilization
—Sewage treatment
Sludge digestion
Sludge treatment
Solids contact process

Activation energy 2013
BT —Energy
RT Neutralization
Neutron absorption

Active pressure 0813
BT —Earth pressure
—Pressure
RT At rest pressure
Horizontal loads
—Lateral forces
Load distribution
—Negative pressure
Passive pressure
Rankine pressure
—Retaining walls
Stress distribution

Activities (foreign)
USE Foreign activities

Actuators 1407
RT Cams
—Control equipment
Servomechanisms

Adapters 1305
RT Collars
Compression fittings
Connectors (mechanical)
—Fasteners
—Fittings
Flanges
—Mechanical fasteners

Additives 1107
BT —Chemicals
NT —Admixtures
Air entraining agents
—Concrete additives
—Retarding agents
Set-retarding agents
Soil amendments
Water-reducing agents
RT Accelerating (chemistry)
Air entrainment
Antifouling materials
Antifreeze
Coagulants
—Concretes
—Dyes
Emulsifying agents
—Fillers
Inhibitors
Lime
Lubricants
—Pigments
Pozzolans
Preservation
Setting (materials)
—Solvents
Thickness
Wetting agents

Adhesion 1407
BT —Physical properties
—Surface properties
RT Adhesives
—Adsorption
Bonding
Bonding strength
Cohesion
Fusion
Internal forces
—Laminates
—Mechanical properties
Peeling
—Shear tests

Adhesives 1101
RT Adhesion
Binders
Bonding
Bonding strength
—Coatings
Epoxy resins
—Fasteners
—Materials
—Plastics
—Sealants
Sealing compounds
—Tapes

Adiabatic 2013
RT Enthalpy
Entropy
—Expansion
—Heat
Heat transfer
—Temperature
—Thermodynamics

Adits 1313.2
BT —Conduits
—Tunnels
—Underground structures
RT —Drift
Shafts (excavations)
Shafts (mining)
Test pits
—Tunnel construction
Unlined tunnels

Adjudication procedure 0504.1
BT —Prior appropriation

Adjudication procedure (Con.)
–Water rights
RT Administrative agencies
Natural flow doctrine

Adjusted costs 1401
BT –Costs
RT Adjusted income
Adjusted prices
Construction costs

Adjusted income 0503
BT –Income
RT Adjusted costs
Adjusted prices

Adjusted prices 0503
BT –Prices
RT Adjusted costs
Adjusted income
Parity prices

Adjuvants 0601
RT –Pesticides

Ad medium filum aquae
USE Boundaries (property)

Administration 0501
UF Water management
(administrative)
NT –Contract administration
Contracting
RT Administrative agencies
Administrative costs
Adoption of practices
Allotments
Budgeting
Construction management
Coordination
Cost sharing
Decision making
Drainage programs
–Economics
–Governments
Industrial production
Institutional constraints
–Institutions
Laws
Leadership
–Legal aspects
Legislation
–Maintenance
–Management
Manpower
Multiple purpose projects
Personnel management
–Planning
–Policies
Political aspects
–Programs
Project planning
–Projects
Responsibilities
–Sciences
–Standards
–Technologists
Vocabularies
Water allocation (policy)
Water demand
–Water policy
Water resources development
Water zoning

Administrative agencies 0501
BT –Institutions
–Organizations
RT Adjudication procedure
–Administration
Federal agencies
Federal government
–Licenses
–Permits
–Prior appropriation
–Regulations
State governments
Water allocation (policy)
–Water rights

Administrative costs 1401
BT –Costs
RT –Administration
Construction costs
Cost sharing
Electric power costs
Engineering costs
Labor costs
Operating costs

Administrative decisions 0501
RT Problem solving
–Water law

Admiralty 0504 1
RT Law of the sea
–Legal aspects
Navigation
Oceans
–Ships

Admixtures 1107
BT –Additives
–Chemicals
NT Air entraining agents
–Retarding agents
Set-retarding agents
RT Air entrainment
Binders
Calcium chloride
Coagulants
–Concrete additives
–Dispersants
–Mortars
–Retardants
Sodium chloride
–Surfactants
Water-reducing agents
Wetting agents

Adobe 1303
BT –Clays
–Earth materials
–Finegrained soils
–Fines
–Materials
–Soils
RT –Building materials
Clay masonry
–Clay minerals

Adoption of practices 0501
RT –Administration
–Conservation
–Diffusion
–Irrigation practices
–Pest control
–Resource conservation
Retardance
–Social aspects
–Water management (applied)

Adsorbed water 0813
BT –Moisture
–Soil water
–Vadose water
–Water
–Water types
RT –Adsorption
–Boundary layer
–Films
Hygroscopic water
–Soil moisture
Soil physics
–Soil water
–Subsurface waters

Adsorbents 1107
RT Activated carbon
–Adsorption
Air conditioning
Cleaning
Desiccants
–Expansive clays

Adsorption 1407
NT Anion adsorption
Cation adsorption
–Ion adsorption
RT –Absorption
Activated carbon
Adhesion
Adsorbed water
Adsorbents
Bound water
–Chromatography
Desorption
–Expansive clays
–Extraction
–Films
Hygroscopic water
Moisture uptake
Solids contact process
Sorption
–Surface properties
–Surfaces
–Water chemistry
Water properties
–Water treatment

Advanced fry
USE Fry

Advanced waste treatment
USE Tertiary treatment

Advection 2013
RT Air circulation
Arid lands
–Condensation
Convection
Crop response
–Evapotranspiration
Heat transfer
–Wind (meteorology)

Aedes species
USE Mosquitoes

Aeolian deposits
USE Aeolian soils

Aeolian soils 0807
UF Aeolian deposits
Deposits (aeolian)
BT –Earth materials
–Materials
–Soils
–Soil types
NT Loess
RT Dunes
Dune sands
Dust storms
Eluvium
–Geologic deposits
–Sands
–Silts
Silty loams
Volcanic ash
–Wind (meteorology)
Wind erosion

Aeolian vibration 2011
BT –Vibration
RT –Electric conductors
Galloping conductors
Suspension bridges
–Transmission lines
Transmission towers
Vibration damping
–Wind (meteorology)

Aeration 0704
RT –Absorption
Activated sludge
Aerobic conditions
Aerobic treatment
–Air
Air admission
Air bubbles
Air entraining agents
Air entrainment
–Bubbles
Carburetors
Cavitation
Deaeration
Dissolved oxygen
–Entrainment
Injection
Mixing
Mixing length
–Oxygen
Oxygenation
Oxygen requirements
Oxygen sag
Purification
Reaeration
Saturated soils
Self-purification
Sewage stabilization
–Sewage treatment
Sewage treatment plants
–Sewage works
Soil gases
Soil-water-plant relationships
Spraying
Sprays
Waste assimilative capacity
Waste water treatment
–Water circulation
Water filters
Water pollution treatment
–Water purification
Water quality control
–Water treatment
Water treatment plants
–Zone of aeration

Aerial photographs
USE Aerial photography

Aerial photography 1405
UF Aerial photographs
BT –Photography
RT Aerial reconnaissance
Aerial surveys
Airborne equipment
Color photography
Data collection systems
High speed photography
Infrared photography
Mosaics
Photogeology
Photogrammetry
–Photographs
Photointerpretation
–Plane surveying
Reconnaissance surveys
Remote sensing
Stereoscopes
Stereoscopic map plotters
Stereoscopic photography
–Surveying
–Surveys
Topographic mapping
Topographic surveys

Aerial reconnaissance 0802
RT Aerial photography
Aerial surveys
Airborne equipment
–Mapping
–Maps
Mosaics
Photogeology
Photogrammetry
Photointerpretation
Reconnaissance surveys
Remote sensing
–Surveys

Aerial sensing
USE Remote sensing

Aerial surveys 0802
UF Airborne surveying
BT –Surveys
RT Aerial photography
Aerial reconnaissance
Airborne equipment
Geodetic surveys
Geological surveys
–Geophysical prospecting
Hydrographic surveys
Mosaics
Photogeology
Photogrammetry
Reconnaissance surveys
Remote sensing
Topographic surveys

Aerobic bacteria 0613
BT –Bacteria
–Microorganisms
–Plants (botany)
NT Azotobacter
Beggiatoa
Ferrobacillus
Lactobacillus
Mycobacterium
Myxobacteria
Salmonella
Shigella
Sphaerotilus
Streptococcus
RT –Acids
Actinomycetes
Activated sludge
Aerobic conditions
–Aquatic bacteria
–Aquatic microorganisms
–Aquatic plants
–Iron bacteria
Methane bacteria
–Mine wastes
–Nitrogen fixing bacteria
Oxidation lagoons
Self-purification
Sewage bacteria
Soil disposal fields
–Sulfate reducing bacteria
Thiobacillus ferrooxidans

Aerobic conditions 0613
RT Aeration
–Aerobic bacteria
Anaerobic conditions

Aerobic conditions (Con.)
Carbon cycle
—Oxygen

Aerobic treatment 1302.1
BT —Treatment
RT Activated sludge
Aeration
Aquatic productivity
—Oxygen demand
—Waste treatment
—Water treatment
Water treatment plants

Aerodynamics 2004
BT —Dynamics
—Fluid dynamics
—Fluid mechanics
RT Aeronautics
Ballistics
—Compressible flow
—Drag
Fins
—Fluid flow
—Gases
Guide vanes
Jet diffusion
Jets
Laminar flow
Mach number
Non-uniform flow
Pressure drag
Subsonic flow
Supersonic flow
—Thermodynamics
Thrust
Transient flow
Turbulent flow
—Unsteady flow
Viscous flow
Wakes
Wedges
Wind tunnels

Aeronautics 0102
UF Aviation
RT Aerodynamics
—Aircraft
Helicopters

Aerosols 0704
BT —Colloids
RT Application equipment
—Application methods
—Dust
Fallout
Foaming
—Fog
Formulation
Mist
Particles
Pesticide drift
Smog
Spraying

Aesthetics 0510
UF Esthetics
RT Air pollution effects
Arts
—Beautification
City planning
Community development
Concrete finishing
Creativity
Drawings
Highway beautification
Human engineering
Landscaping
—Ornamentals
—Parks
Psychological aspects
—Psychology
Public opinion
Scenery
Scenic highways
—Social aspects
—Sociology
Urban renewal
—Value
Water pollution effects
—Water treatment
Water treatment plants

Aestivation 0616
RT —Animal behavior
—Animal physiology
—Environmental effects
Heat budget
Heat resistance (biological)
Physiological ecology
Plant physiology

Afterbays 1302.6
BT —Bodies of water
—Reservoirs
—Standing waters
—Surface waters
RT Forebay dams
Hydroelectric power
Hydroelectric powerplants
Tailwater

Age 1407
RT Aging (biological)
Aging (physical)
Appreciation
—Dating
Dendrochronology
Depreciation
Engineering obsolescence
—Growth stages
—Life cycles
Life expectancy
Longevity
Project life
Radioactive dating
—Time

Agents (decontaminating)
USE Decontamination

Agents (dispersing)
USE Dispersants

Agents (inhibiting)
USE Inhibitors

Agents (reducing)
USE Reducing agents

Agents (retarding)
USE Retarding agents

Agents (wetting)
USE Wetting agents

Aggradation 0808
UF Stream aggradation
BT —Sedimentation
RT Alluvial streams
Armoring (streambed)
Bedload movement
Bed movements
—Degradation
Deposition
Dispersion
Equilibrium
Graded
—Sedimentation
Sediment concentration
Stream erosion
—Streams

Aggregates 1107
BT —Construction materials
—Granular materials
—Materials
NT Coarse aggregates
Fine aggregates
Lightweight aggregates
Soil aggregates
RT Alkali aggregate reactions
—Beneficiation
Bituminous concretes
—Building materials
—Cement-aggregate reaction
Cinders
Cohesionless soils
Concrete mixes
—Concretes
—Concrete technology
Crushed stone
Cyclopean concrete
—Fines
Fragmented materials
Gradation
Graded
Gravel pits
—Gravels
Heavy media separation
—Mechanical analysis
Particle size
Pea gravel
Rock density
Rubble
Sand pits
—Sands
Selected materials
Slags
Stones

Aggressive behavior
USE Animal behavior

Aging (biological) 0616
RT Age
Dystrophy
Eutrophication
Growth rates
—Growth stages
—Life cycles
Life expectancy
Longevity
Oligotrophy

Aging (physical) 1113 1407
RT Age
Chemical stability
—Corrosion
—Curing
Curing compounds
—Degradation (decomposition)
Deterioration
—Durability
Economic life
—Hardening
Life expectancy
—Resistance
Weathering

Agreements 0504.1
NT International compacts
RT Change orders
—Contract administration
—Contracts
Leases
—Legal aspects
Repayment contracts
Right-of-way

Agreements (foreign)
USE International compacts

Agreements (international)
USE International compacts

Agricultural chemicals 0201
BT —Chemicals
NT Defoliants
Fertilizers
Lime
RT Chemcontrol
Chemical wastes
Desiccants
—Pesticides
Plant growth regulators
—Repellents
Soil amendments
Soil contamination
Water pollution sources

Agricultural economics 0202
BT —Economics
RT Agricultural engineering
Agriculture
Farm management
—Marketing
Monetary benefits
—Prices
Rural sociology

Agricultural engineering 0203
BT —Engineering
RT Agricultural economics
Agriculture
Contours
Development farms
Drainage engineering
Dry land farming
Experimental farms
Farm equipment
—Farms
Irrigation engineering
—Land forming
—Land management
Land reclamation
Soil conservation
Soil physics

Agricultural wastes
USE Farm wastes

Agricultural watersheds 0808
BT —Watersheds (basins)
RT Agriculture
—Corn belt
Demonstration watersheds
Drainage basins
—Farms
Grassed waterways
Small watersheds

Agriculture 0200
Use of a more specific term is recommended
RT Acreage
Agricultural economics
Agricultural engineering
Agricultural watersheds
Agronomy
—Aquiculture
Arable land
Crop production
—Crops
Cultivated lands
Demonstration farms
Development farms
Dry land farming
Experimental farms
Farm management
Farm prices
—Farms
Forestry
Horticulture
Hydrometeorology
—Irrigation
—Irrigation canals
—Land
Land classification
Land development
Land preparation
Land reclamation
—Livestock
—Pest control
—Plants (botany)
Poultry
Rural areas
Rural sociology
—Sciences
—Soils
—Surface irrigation
Vegetation
Water requirements

Agronomic crops 0204
BT —Crops
—Field crops
—Plants (botany)
NT Alfalfa
Alsike clover
Bahiagrass
Barley
Bromegrass
—Cereal crops
Coastal bermudagrass
Corn (field)
Cotton
Crimson clover
Dallisgrass
Fescues
—Fiber crops
—Forage grasses
—Forage legumes
Forage mixtures
—Forages
Grama grasses
Hay
Ladino clover
Oats
—Oilseed crops
Orchardgrass
Peanuts
Perennial ryegrass
—Range grasses
Red clover
Rice
Sorghum
Soybeans
Sudangrass
Sugar beets
Sugarcane
—Sugar crops
Switchgrass
Tobacco
Vetch
Wheat
Wheatgrasses
RT —Bluegrasses
—Clovers
—Cover crops
Crop production
Crop response
—Drainage
—Horticultural crops
Industrial crops
Irrigation effects
Lespedeza

Agronomic crops (Con.)
Plant groupings
–Soil management
White clover

Agronomy 0204
Use of a more specific term
is recommended
UF Crop science
RT Agriculture
A horizon
C horizon
Cropping patterns
Crop production
Crop response
Demonstration farms
Horticulture
–Irrigation practices
Plant breeding
–Plant diseases
–Plant pathology
Soil chemistry
–Soil horizons
–Soil management
–Soils
Soil science
–Tolerances (plant)
–Turf grasses
–Weed control
–Weeds

Agropyron species
USE Wheatgrasses

A horizon 0807
BT –Soil horizons
RT Agronomy
B horizon
C horizon
Land classification
Soil profiles

Air 0401
Use of a more specific term
is recommended
BT –Fluids
–Gases
NT Compressed air
Entrapped air
RT Aeration
Air admission
Air bubbles
Air chambers
Air circulation
Air compressors
Air conditioning
Air currents
Air demand
Air-earth interfaces
Air entrainment
Air environment
–Air masses
–Air pollution
Air pollution control
Air pollution effects
Air temperature
Air void ratio
–Atmosphere
Pore air pressure

Air admission 1307.1 1313.1
RT Aeration
–Air
Air entrainment
Hydraulic conduits
–Hydraulic machinery
Vents

Airblast circuit breakers 0901
BT –Circuit breakers
–Control equipment
–Electric switches
RT Switching
Switching circuits

Air boats
USE Boats

Airborne equipment 1505
BT –Equipment
RT Aerial photography
Aerial reconnaissance
Aerial surveys
Cloud seeding
Mobile equipment
Mobile laboratories
Radar equipment
Remote sensing
–Weather modification

Airborne surveying
USE Aerial surveys

Air bubbles 1407
BT –Bubbles
RT Aeration
–Air
Air chambers
Air demand
Air entrainment
Air traps
Air-water interfaces
Effervescence
Entrapped air
Foam
Foam separation
Froth flotation

Air chambers 1307
RT –Air
Air bubbles
Air demand
Air traps
Drum gates
Hydraulic conduits
–Hydraulic gates
–Hydraulic structures
Hydraulic transients
–Hydraulic valves
Pressure conduits
Pressure tests
Surge tanks
Water hammer

Air circulation 1301 0401
UF Air movement
BT –Circulation
–Movement
RT Advection
–Air
Air currents
Air environment
–Air masses
–Atmosphere
Circulation (animals)
Circulation (plants)
Connectors (mechanical)
Convection
Cooling systems
Diffusers
Fans
Fins
Fronts (atmospheric)
Grilles
–Heating
Louvers
Microenvironment
Mining engineering
Precipitable water
–Rotating machines
Transpiration
Turbulence
Ventilation
–Wind (meteorology)

Air compressors 1307
BT –Compressors
–Equipment
RT –Air
Compressed air
–Construction equipment
Pneumatic systems
–Pumps
–Rotating machines

Air conditioning 1301
RT Adsorbents
–Air
Air pollution control
Air temperature
–Compressors
–Condensation
Coolants
–Cooling
Cooling systems
Cooling towers
Ducts
Dust control
Heaters
Heating plants
Heat pumps
Humidity
–Metalwork
Precooling
Preheating
Refrigerants
Refrigeration
Temperature control
Ventilation
Water cooling
–Water utilization

Air contamination
USE Air pollution

Aircraft 0103
UF Airplanes
NT Helicopters
RT Aeronautics
Airports
Application equipment
Conveyances
Navigation
Remote sensing
Runways
Vehicles

Air currents 0402
RT –Air
Air circulation
Air-earth interfaces
Hot film anemometers
Hot wire anemometers
Jet streams (meteorology)
–Meteorology
–Wind (meteorology)
Wind speed
Wind velocity

Air demand 2004
RT –Air
Air bubbles
Air chambers
Cavitation
–Closed conduits
–Discharge (water)
–Flow
–Fluid mechanics
–Hydraulics
Turbulence

Air-earth interfaces 1407
UF Air-soil interfaces
Earth-air interfaces
BT –Boundaries (surfaces)
–Interfaces
RT –Air
Air currents
Air-water interfaces
Boundary processes
Energy balance
–Evaporation
–Evapotranspiration
Microenvironment
Shear drag
Soil surfaces

Air entraining agents 1107
BT –Additives
–Admixtures
RT Aeration
Air entrainment
–Concrete additives
Concrete mixes
–Concrete technology

Air entrainment 0704
BT –Entrainment
RT –Additives
–Admixtures
Aeration
–Air
Air admission
Air bubbles
Air entraining agents
Air void ratio
Bleeding (concrete)
–Bubbles
–Concrete additives
–Concrete placing
–Concretes
–Dissolved gases
–Durability
Entrapped air
Freeze-thaw durability
Oxygenation
Porosity
Vents
–Void ratio
Voids

Air entry values
USE Bubbling pressure

Air environment 1407
BT –Environments
RT –Air
Air circulation
–Air pollution
Air temperature
–Atmosphere
Fallout
Humidity
–Pressure
–Wind (meteorology)
Wind speed

Airfields
USE Airports

Air filters 1311
BT –Filters
–Fluid filters
RT Air pollution control
Dust control
Ventilation

Air gaps 0901
RT Air switches
Circuit protection
Electric arcs
Interrupters
Interrupter switches
Lightning arresters
–Protection (electrical)

Air masses 0402
NT Marine air masses
RT –Air
Air circulation
Air-water interfaces
–Atmosphere
Atmospheric motion
Fronts (atmospheric)
–Meteorology
–Storms
Turbulence
Weather
Weather patterns
–Wind (meteorology)

Air movement
USE Air circulation

Airplanes
USE Aircraft

Air pollution 1302
UF Air contamination
Atmospheric pollution
Contamination (air)
Pollution (air)
NT Thermal pollution
RT –Air
Air environment
Air pollution control
Air pollution effects
–Atmosphere
City planning
Climatic changes
–Contamination
Dust control
Effervescence
–Effluents
–Environmental engineering
Environmental sanitation
Fallout
Fluorides
Incinerators
–Industrial plants
Microenvironment
Morbidity
Mortality
Particles
Path of pollutants
Pollen
Pollutant identification
Pollutants
Pollution abatement
–Pollution control
Public health
Radioactive wastes
Smoke
Temperature inversions
Thermal gradient
–Toxins

Air pollution control 1302
BT –Control
–Pollution control
RT –Air
Air conditioning
Air filters
–Air pollution
Electrostatic precipitation
Environmental sanitation
Fallout

Air pollution control (Con.)
Odor
Pollutant identification
Pollutants
Public health

Air pollution effects 1302
BT –Effects
RT Aesthetics
–Air
–Air pollution
–Diseases
Haze
Morbidity
Mortality
Odor
Phytotoxicity
Pollutants
Public health
Radioactivity effects
Smog
–Toxicity
Wind speed

Airports 0105
UF Airfields
Landing fields
RT –Aircraft
Aprons
–Drainage
–Facilities
–National defense
Navigation
Navy
Parking areas
–Pavements
Paving
Ports
Runways

Air-soil interfaces
USE Air-earth interfaces

Air space ratio
USE Air void ratio

Air switches 0901
BT –Control equipment
–Electrical equipment
–Electric switches
RT Air gaps
Substations (electrical)
Switching
Switching circuits
Switchyards (electrical)

Air temperature 0402
BT –Temperature
RT –Air
Air conditioning
Air environment
–Atmospheric physics
Climatic changes
Dew point
Fronts (atmospheric)
–Heat
–Hot winds
Isotherms
–Meteorology
Microenvironment
Potential evaporation
Water temperature
Weather

Air traps 1311
RT Air bubbles
Air chambers
–Bubbles
–Closed conduits
Compressed air
Entrapped air
–Hydraulic structures
Pressure cells
Vents

Air void ratio 0813
UF Air space ratio
BT –Physical properties
–Soil physical properties
–Void ratio
RT –Air
Air entrainment
–Density
Entrapped air
Permeability
Porosity
Voids

Air-water interfaces 1407
UF Water-air interfaces
BT –Boundaries (surfaces)
–Interfaces
–Liquid-gas interfaces
–Liquid-vapor interfaces
RT Air bubbles
Air-earth interfaces
–Air masses
Boule flotation
Boundary processes
–Bubbles
Entrapped air
–Evaporation
Free surfaces
Microenvironment
Reaeration

Aix sponsa
USE Wood duck

Alabama 0806
BT –Coastal plains
–Geographical regions
–States (geographical)

Alarm systems (fire)
USE Fire alarm systems

Alaska 0806
BT –Geographical regions
–States (geographical)
RT Arctic
–Cold regions
Subarctic

Albedo 0401
RT Climatic changes
Cosmic rays
–Radiation
Reflectivity
Snowpacks
–Surface properties

Alcohols 0703
BT –Chemical compounds
–Organic compounds
NT –Fatty alcohols
Hexadecanol
Octadecanol
RT –Carbohydrates
Evaporation control
Evaporation retardants

Aldehydes 0703
BT –Chemical compounds
–Organic compounds
NT Acroleins

Aldrin 0703
BT –Chemicals
–Chlorinated hydrocarbon pesticides
–Halogenated pesticides
–Insecticides
–Organic compounds
–Organic pesticides
–Pesticides

Alevin
USE Fry

Alfalfa 0204
UF Medicago sativa
BT –Agronomic crops
–Crops
–Dicots
–Field crops
–Forage legumes
–Forages
–Horticultural crops
–Legumes
–Phreatophytes
–Plants (botany)
RT Hay
Silage

Alfalfa valves 1311
BT –Valves

Algae 0603.1
BT –Plants (botany)
NT –Aquatic algae
Chara
Chlamydomonas
Chlorella
–Chlorophyta
–Chrysophyta
Cyanophyta
Diatoms
Dinoflagellates
Euglena
–Euglenophyta
Marine algae
Nuisance algae
Ochromonas
Odor-producing algae
Phaeophyta
–Pyrrophyta
Rhodophyta
Scenedesmus
Sessile algae
Soil algae
Taste-producing algae
RT Algal nutrients
Algal toxins
Algicides
Aquatic microbiology
–Aquatic microorganisms
–Aquatic plants
–Bacteria
Cultures
Diatomaceous earth
–Microorganisms
Periphyton
–Phytoplankton
Test canals
Waste stabilization ponds

Algae (attached)
USE Sessile algae

Algae (blue-green)
USE Cyanophyta

Algae (brown)
USE Phaeophyta

Algae (green)
USE Chlorophyta

Algae (red)
USE Rhodophyta

Algal blooms
USE Eutrophication

Algal control 0601
BT –Control
–Pest control
–Weed control
RT –Aquatic algae
Aquatic weed control
–Poisons

Algal nutrients 0601
BT –Nutrients
RT –Algae
–Chemicals
Eutrophication
Foods
–Inorganic compounds
Nutrient requirements

Algal poisoning 0601
RT Algal toxins
–Aquatic algae
Poisonous plants
–Poisons
Water pollution sources

Algal toxins 0601
BT –Chemicals
–Poisons
–Toxins
RT –Algae
Algal poisoning
Poisonous plants

Algebra 1201
BT –Mathematics
NT –Linear algebra
Linear systems
Matrix algebra
RT –Coordinates
–Equations

Algicides 0606
BT –Chemicals
–Pesticides
–Poisons
RT –Algae
Aquatic weed control
Copper sulfate

Algorithms 1201
BT –Mathematical logic
RT Computer applications
Computer programming
–Computer programs
–Mathematical analysis
–Numerical analysis

Alignment
USE Alinement

Alinement 1407
UF Alignment
RT Azimuth
–Canals
Clearances
Correction
Direction finding
Highway engineering
Locating
Orientation
–Pipelines
–Plane surveying
Road design
–Roads
–Surveying
Survey stations

Aliphatic pesticides 0606
BT –Chemicals
–Organic pesticides
–Pesticides

Alkali aggregate reactions 1303.1
BT –Cement-aggregate reaction
–Chemical properties
–Chemical reactions
RT –Aggregates
–Alkalis (bases)
–Concretes
–Concrete technology
Deleterious materials
Deterioration
Low alkali cements
–Portland cements
Pozzolans
Silica

Alkali metals 0702
BT –Chemical elements
–Metals
NT Cesium
Lithium
–Potassium
Potassium radioisotopes
Sodium
RT –Alkalis (bases)
Lithium alloys

Alkaline earth metals 0702
BT –Chemical elements
–Metals
NT Barium
Calcium
Magnesium
–Radium
Radium radioisotopes

Alkaline soils 0201
(pH greater than 7.3)
BT –Earth materials
–Materials
–Soils
–Soil types
NT Alkali soils
Brown soils
–Calcareous soils
Caliche
Chestnut soils
Prairie soils
Sierozems
RT –Alkalis (bases)
Chernozems
Halophytes
Irrigation effects
Land reclamation
–Pedocals
Saline soils
Salt removal
Soil reclamation
Soluble salts
Waterlogged land

Alkaline water 0702
BT –Water types
RT –Alkalis (bases)
–Saline water

Alkalinity 0704
BT –Chemical properties
RT Acidity
–Alkalis (bases)
Buffers (chemistry)
Neutralization

Alkalinity (Con.)
pH
Soil chemical properties
–Soil properties
Water properties

Alkalis (bases) 0704
UF Bases (chemical)
Hydroxides
BT –Chemicals
NT Calcium hydroxide
Magnesium hydroxide
RT –Acids
Alkali aggregate reactions
–Alkali metals
–Alkaline soils
Alkaline water
Alkalinity
Alkali soils
Bicarbonates
Neutralization
pH
–Salts

Alkali soils 0201
(pH greater than 8.5)
BT –Alkaline soils
–Earth materials
–Materials
–Soils
–Soil types
RT –Alkalis (bases)
–Calcareous soils
Irrigation effects
Salt removal
Sierozems
Soluble salts

Alkaloids 0703
BT –Chemical compounds
–Organic compounds
RT Drugs

Alkyd resins 1109
BT –Polyester resins
–Resins
–Synthetic resins
–Thermosetting resins

Alkylbenzene sulfonates 1111
UF A.B.S.
BT –Aromatic compounds
–Chemical compounds
–Organic compounds
–Sulfonates
–Sulfur compounds
RT Detergents
Linear alkylate sulfonates

Alligatorweed 0603.1
UF Alternanthera phylloxeroides
BT –Aquatic life
–Aquatic plants
–Aquatic weeds
–Crops
–Dicots
–Floating plants
–Floating weeds
–Horticultural crops
–Plants (botany)
–Weeds
RT –Weed control

Allium cepa
USE Onions

Allocations 0503
NT –Cost allocation
Water allocation (policy)
RT Accounting
Appropriations (fiscal)
Budgeting
–Budgets
Capital
–Costs
–Distribution
–Economics
Estimating
Political aspects
–Regulations

Allogenic succession 0606
BT –Ecosystems
–Succession
RT Drainage effects
–Environmental effects

Allotments 0501
RT –Administration
Budgeting
–Budgets
–Contracts
Finance
Financing
–Governments
Grants
Universities
–Water resources

Allowable stress 1313.5
BT –Stress
RT Design criteria
Design data
Design standards
Safety factors
Stress analysis
Stress concentration
Stress distribution

Alloy cast iron
USE Cast iron

Alloys 1106
BT –Chemical elements
–Materials
–Metals
NT Aluminum alloys
Brass
Bronzes
Cadmium alloys
Calcium alloys
Carbon alloys
Carbon steels
Cast iron
Cobalt alloys
–Copper alloys
Germanium alloys
High strength steels
–Iron alloys
Lead alloys
Low alloy steels
Low carbon steel
Magnesium alloys
Manganese alloys
Molybdenum alloys
Nickel alloys
Niobium alloys
Phosphorus alloys
Platinum alloys
Potassium alloys
Selenium alloys
Silicon alloys
Silver alloys
Sodium alloys
Stainless steel
Structural steel
–Tin alloys
Titanium alloys
Tungsten alloys
Vanadium alloys
–Zinc alloys
RT –Bearings
–Castings
Journal bearings
Metallurgy
Phase diagrams
Stress relieving
Structural steel
Superconductivity
Superconductors

Alluvial channels 0808
BT –Channels
RT Alluvial streams
Alluvium
Channel morphology
Deltas
Flood plains
Meanders
Regime
Regime theory
Stream meandering

Alluvial cones
USE Alluvial deposits

Alluvial deposits 0807
UF Alluvial cones
Alluvial fans
Cones (alluvial)
Deposits (alluvial)
Fans (alluvial)
Fans (fluvial)
Fluvial deposits
Fluvial fans
BT –Geologic deposits
–Land forms
–Sediment deposits
–Sediments
NT Moraines
Sand bars
Terrace deposits
RT Alluvial streams
Alluvium
Claystones
–Colluvium
Debris
Deltas
–Erosion
Flood plains
–Glacial deposits
Glacial soils
–Gravels
Littoral materials
Placer mining
–Sands
–Sedimentary rocks
–Sedimentation
–Silts
Silty loams
–Soils
Unconsolidated soils

Alluvial fans
USE Alluvial deposits

Alluvial streams 0808
BT –Bodies of water
–Land forms
–Running waters
–Streams
RT Aggradation
Alluvial channels
–Alluvial deposits
Alluvium
Channel morphology
Deltas
Deposition
Flood plains
–Fluvial morphology
Meanders
Regime theory

Alluvion
USE Accretion (legal aspects)

Alluvium 0807
UF Deposits (fluvial)
Fluvial soils
BT –Azonal
–Geologic deposits
–Sediments
–Soil types
RT Alluvial channels
–Alluvial deposits
Alluvial streams
–Colluvium
Debris
Deltas
Detrital soils
–Erosion
Flood plains
–Sediment deposits
–Silts
Silty loams
Terrace deposits

Alpha particles 2008
UF Alpha radiation
Radiation (alpha)
BT –Nuclei
RT Cosmic rays
–Ions
Nuclear physics
Protons
–Radiation
Radioactive decay
Radioactivity
–Radioisotopes

Alpha radiation
USE Alpha particles

Alpine 0806
RT –Cold regions
Mountains
Orography
–Regions
–Soil types
–Watersheds (basins)

Alsike clover 0204
BT –Agronomic crops
–Clovers
–Crops
–Dicots
–Field crops
–Forage legumes
–Forages
–Horticultural crops
–Legumes
–Plants (botany)

Alteration of flow 0504.1
RT Diversion
Natural flow doctrine
Obstruction to flow
Reasonable use
Relative rights
–Riparian rights
–Streamflow
Streamflow depletion

Alternanthera phylloxeroides
USE Alligatorweed

Alternating current 2003
BT –Electric current
RT Direct current
–Electrical properties
–Electric power
Extra high voltage
Oscillators
Protective relaying
Rectifiers
Ultra high voltage

Alternative costs 1401
BT –Costs
RT Construction costs

Altimeters 0104
BT –Equipment
–Instrumentation
–Measuring instruments
–Test equipment
RT Altitude
Barometers
Elevation
Navigation
Surveying instruments

Altitude 1407
BT –Dimensions
Physical properties
RT Altimeters
Distance
Elevation
Height
Position finding

Aluminum 0702
BT –Chemical elements
–Materials
–Metals
RT Aluminum alloys
–Aluminum compounds
Passive metals

Aluminum alloys 1106
BT –Alloys
–Metals
RT Aluminum
–Aluminum compounds

Aluminum compounds 0702 0703
BT –Chemical compounds
NT Alums
RT Aluminum
Aluminum alloys

Aluminum towers 1313.5
BT –Towers
RT Anchored towers
–Footings
Guyed towers
–Transmission lines
Transmission towers

Alums 0702
BT –Aluminum compounds
–Chemical compounds

Ambient light 2006
BT –Electromagnetic waves
–Light
–Radiation
RT Bottom-reflected light

Amblopliles cavifrons
USE Roanoke bass

Amblopliles rupestris
USE Rock bass

American widgeon 0603.2
UF Mareca americana
Widgeon (american)
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Amino acids 0703
BT –Acids
–Chemical compounds

Amino acids (Con.)
—Chemicals
—Nitrogen compounds
—Organic acids
—Organic compounds
RT Peptides
—Proteins

Aminotriazole 0601
UF Amitrole
ATA
BT —Chemicals
—Herbicides
—Organic pesticides
—Pesticides

Amitrole
USE Aminotriazole

Ammeters 1402
BT —Equipment
—Instrumentation
—Measuring instruments
—Meters
—Test equipment
RT —Electric current
Galvanometers
Ohmmeters
Voltmeters

Ammocetes 0603.2
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Freshwater fish
—Growth stages
—Lampreys
—Larvae
—Wildlife

Ammocrypta species
USE Darters

Ammonia 0702
BT —Chemical compounds
—Nitrogen compounds
RT Ammonification
—Ammonium compounds
Denitrification
Nitrification
Refrigerants

Ammonification 0702
BT —Chemical properties
—Chemical reactions
RT Ammonia
Nitrogen cycle

Ammonium compounds 0702 0703
NT Ammonium salts
RT Ammonia
Fertilizers

Ammonium salts 0702
BT —Ammonium compounds
—Chemical compounds
—Chemicals
—Nitrogen compounds
—Salts

Amortization 0503
RT Deferred costs
Depreciation
Engineering obsolescence
Life expectancy
Service life

Amphibians 0603.2
BT —Animals
—Wildlife
NT Frogs
Newts
Salamanders
Toads
RT Animal groupings
—Aquatic animals

Amphibious plants 0603.1
BT —Aquatic life
—Aquatic plants
—Plants (botany)
—Rooted aquatic plants
NT Cattails
Widgeon grass
RT —Aquatic weeds
Bulrush
—Floating plants
Marsh plants
Plant groupings
Riparian plants
—Trees

Amphipoda 0603.2
BT —Animals
—Aquatic animals
—Aquatic life
—Crustaceans
—Invertebrates

Amplification 2014
RT Amplitude
Dynamic response
Sensitivity
—Stability

Amplifiers 0905
RT —Acoustic equipment
—Circuits
—Converters (electrical)
—Electronic equipment
Repeaters (communications)
Transistors

Amplitude 1407
RT Accelerometers
Amplification
Amplitude modulation
—Dimensions
Displacements
—Frequency
Magnitude
Oscillations
—Vibration
Wave energy
Waveforms
Wave height
Wavelength
Wave propagation
—Waves

Amplitude modulation 2014
BT —Modulation
RT Amplitude
Frequency modulation
Powerline carriers
Radio communication systems

Anadromous fish 0603.2
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Wildlife
RT Animal groupings
Catadromous fish
Fish migration
Fish passages
Fish types
Fishways
—Freshwater fish
—Salmonids
Stream fisheries

Anaerobic bacteria 0613
BT —Bacteria
Microorganisms
—Plants (botany)
NT Beggiatoa
Clostridium
Photosynthetic bacteria
—Sulfate reducing bacteria
RT Actinomycetes
Anaerobic conditions
Anaerobic digestion
Anaerobic processes
Anaerobic soils
—Biodegradation
Farm lagoons
Methane bacteria
—Nitrogen fixing bacteria
Sewage bacteria
Thermophilic bacteria

Anaerobic conditions 0613
RT Aerobic conditions
—Anaerobic bacteria
Anaerobic processes
Anaerobic soils
—Biodegradation
Carbon cycle
Fishkill
Oxygen sag
Stagnant water

Anaerobic digestion 1302.1
BT —Biodegradation
—Decomposition
—Degradation
—Degradation (decomposition)
—Digestion
RT —Anaerobic bacteria
Anaerobic processes
Sludge digestion
Sludge disposal
—Waste disposal
—Waste treatment

Anaerobic processes 0603
RT —Anaerobic bacteria
Anaerobic conditions
Anaerobic digestion
Anaerobic soils
Biochemical oxygen demand
—Biodegradation
—Degradation (decomposition)
—Digestion
—Sewage treatment
Sludge digestion

Anaerobic soils 0813
BT —Earth materials
—Materials
—Soils
RT —Anaerobic bacteria
Anaerobic conditions
Anaerobic processes
Corrosion environments
Underground corrosion

Analog computers 0902
BT —Computers
—Electronic equipment
RT —Analog models
—Analogs
Analog to digital converters
Automation
Computation
Digital computers
Digital to analog converters
Electric analogs
Hybrid computers
Integration (mathematics)
—Models
Nonlinear systems
Process control
Simulation

Analog-digital computers
USE Hybrid computers

Analog models 1201
BT —Models
—Model studies
NT Resistance networks
RT Analog computers
—Analogs
Analog to digital converters
Computer models
—Computers
Data transmission systems
Digital systems
Digital to analog converters
—Hydrologic models
—Mathematical models
Model tests

Analogs 1407
NT Electric analogs
RT Analog computers
—Analog models
Data transmission systems
Hybrid computers
—Mathematical models
—Models
Network analysis
Nonlinear systems

Analog to digital converters 0902
UF Digitizers
RT Analog computers
—Analog models
Coding
Data transmission systems
Digital computers
Digital recording
Digital systems
Digital to analog converters
Electric analogs
Hybrid computers

Analogy (electric)
USE Electric analogs

Analogy (membrane)
USE Stress analysis

Analysis 1407
Use of a more specific term is recommended
NT Benefit-cost analysis
—Calculus
—Chemical analysis
—Chromatography
Colorimetry
Correlation analysis
—Cost analysis
—Differential equations
Differential thermal analysis
Dimensional analysis
Finite difference method
Finite element method
Flame photometry
Fluorometry
Fourier analysis
Frequency analysis
Gaussian distribution
—Gradation analysis
Graphical analysis
Gravimetric analysis
Histograms
Hydrograph analysis
Income analysis
Infrared spectroscopy
Integrals
Integration (mathematics)
Management analysis
—Mathematical analysis
Matrix methods (structural)
—Mechanical analysis
Mineral analysis
Monte carlo method
Neutron activation analysis
Nomographs
—Numerical analysis
Photographic analysis
Polarographic analysis
Qualitative analysis
—Quantitative analysis
Radiochemical analysis
Regional analysis
—Regression analysis
Relaxation method
Sequential analysis
Series (mathematics)
Sieve analysis
Soil analysis
Spectrum analysis
—Stability analysis
—Statistical analysis
Stress analysis
—Structural analysis
Tensor analysis
Terrain analysis
—Thermal analysis
Time series analysis
Vector analysis
Volumetric analysis
Water analysis
—X-ray analysis
RT —Analytical techniques
Calculations
Computation
Cost comparisons
Estimating
—Evaluation
Finite differences
—Formal logic
Problem solving
Product evaluation
—Sampling
Test procedures
—Tests

Analysis (quantum)
USE Quantum mechanics

Analytical techniques 1402
UF Techniques (analytical)
NT —Assay
Bioassay
—Chromatography
Colorimetry
Depth-area-duration analysis
Differential thermal analysis
Dimensional analysis
Electron microscopy
Financial analysis
Flame photometry
Fluorometry
Gas chromatography
Gravimetric analysis
Hydrograph analysis
Hypsometric analysis
Infrared spectroscopy
—Microscopy

Analytical techniques (Con.)
Neutron activation analysis
Polarographic analysis
Qualitative analysis
–Quantitative analysis
Radiochemical analysis
Slip-circle method
Spectrophotometry
–Spectroscopy
Tagging
–Thermal analysis
Tracking techniques
Volumetric analysis
–X-ray analysis
X-ray diffraction
X-ray fluorescence
X-ray spectroscopy
RT –Analysis
Bioindicators
Centrifugation
–Chemistry
Coagulation
Color reactions
Concrete tests
Data reduction
Digital systems
Dye releases
Electrophoresis
Estimating
–Evaluation
–Fluorescence
Foreign tests
–Indicators
–Instrumentation
Laboratory tests
Marking techniques
–Mathematical studies
–Methodology
Meus-membrane filters
–Model studies
–Nondestructive tests
Nuclear magnetic resonance
Path of pollutants
Petrographic investigations
–Photometry
Pollutant identification
Prototype tests
–Radioactivity techniques
–Research and development
Research facilities
–Sampling
–Separation techniques
–Soil tests
Stress analysis
Synoptic analysis
Synthesis
Technology
Test procedures
–Tests
Waste identification

Analyzers (frequency)
USE Frequency analyzers

Analyzers (interference)
USE Interference analyzers

Anas acuta
USE Pintail ducks

Anas carolinesis
USE Green-winged teal

Anas crecca
USE Common teal

Anas diazi
USE Mexican duck

Anas disorg
USE Blue-winged teal

Anas fuluigula
USE Mottled ducks

Anas platyrhynchnos
USE Mallard duck

Anas rubripes
USE Black duck

Anas strepera
USE Gadwall duck

Anastatic water
USE Fringe water

Anchor bolts 1305
BT –Bolts
–Fasteners
–Mechanical fasteners
RT –Anchors
Embedded materials
Embedded metal
Posttensioning
Pull-out tests
–Pull tests
–Rock bolts
Rockslides
Rock slope stability

Anchored bulkheads 1313.5
BT –Bulkheads
–Engineering structures
–Retaining walls
RT –Anchors
Belled anchors
–Fasteners
Sheeting
Sheet piling
Shore protection
Stay lines
Tie rods
–Walls

Anchored towers 1313.5
BT –Towers
RT Aluminum towers
–Anchors
Belled anchors
Belled footings
–Footings
Guyed towers
Stay lines
–Transmission lines
Transmission towers

Anchor ice 0812
BT –Ice
RT Frazil ice
Ice cover
–Streambeds
Submergence

Anchors 1313.5
UF Cables (anchored)
BT –Fasteners
–Mechanical fasteners
NT Belled anchors
RT Anchor bolts
Anchored bulkheads
Anchored towers
Auger-type footings
Bank protection
Belled footings
–Bolts
Embedded materials
Embedded metal
–Footings
–Foundations
Pipe laying
Posttensioning
Pull-out tests
–Pull tests
–Rock bolts
Screws
Straps
Studs
Tie rods
Uplift footings
Uplift resistance

Andesite 0807
BT –Crystalline rocks
–Igneous rocks
–Intermediate rocks
–Rocks
–Volcanic rocks
RT Basalt
Diorite
Lava
–Petrography
–Petrology
Rhyolite

Anemometers 1402
BT –Equipment
–Instrumentation
–Measuring instruments
–Meteorological instruments
–Test equipment
NT Hot film anemometers
Hot wire anemometers
RT Flow measurement
–Flowmeters
–Velocity
–Wind (meteorclogy)
Wind speed
Wind velocity

Angle of repose 0813
UF Repose (angle of)
RT Angles (geometry)
Cohesionless soils
Critical slopes
Cut slopes
Debris avalanches
Friction coefficient (mechanical)
Internal friction
–Landslides
Slope angles
–Slope stability
–Soil properties
–Stability
–Stability analysis

Angles (geometry) 1201 1409
RT Angle of repose
Azimuth
Geometry
–Gradients
–Slopes
–Surveying
Theodolites
Triangulation nets
Trigonometry

Angling
USE Fishing

Anhydrite 0807
BT –Calcium sulfate
–Chemical compounds
–Inorganic compounds
–Minerals
–Sulfates
RT Gypsum
Plaster

Animal behavior 0510 0603.2
UF Aggressive behavior
BT –Behavior
NT Fish behavior
Insect behavior
Social behavior
RT Aestivation
–Animal physiology
–Animals
Animal sounds
–Biology
Biorhythms
Characteristics
Competition
–Environmental effects
Food habits
–Habitats
Human behavior
Life history studies
–Migration
–Reproduction (biology)

Animal control 0603.2
BT –Control
NT Fish guiding
Insect control
RT –Attractants
Avicides
–Fish control agents
–Pest control
Piscicides
Preservation
–Repellents
Rodenticides
Shelterbelts
–Wildlife conservation

Animal diseases 0603.2
BT –Diseases
NT Fish diseases
RT Animal pathology
–Animals
Epidemiology
Epizootiology
Pathogenic fungi
Zoonoses

Animal ecology
USE Ecology

Animal groupings 0603.2
Use of a more specific term is recommended
RT –Amphibians
Anadromous fish
–Animals
–Aquatic animals
–Aquatic insects
–Benthic fauna
–Biology
–Birds
Bottom fish
Brackish-water fish
Catadromous fish
Coastal diving ducks
–Cold-water fish
Commercial fish
Desmersal fishes
–Domestic animals
–Ducks (wild)
–Fish
Fish types
–Freshwater fish
–Furbearers
Game birds
Halophilic animals
–Insects
–Invertebrates
Laboratory animals
–Livestock
Low-latitude fishes
Mammal groupings
–Mammals
–Marine animals
–Marine fish
–Migratory birds
–Mollusks
Nekton
–Non-game birds
Non-migratory birds
Nuisance birds
Poultry
Prey fish
Puddleducks
Reptiles
Rodents
Rough fish
–Ruminants
Shore birds
–Small animals (mammals)
Song birds
Sport fish
Thermophilic animals
Wading birds
Warm-water fish
–Water birds
–Waterfowl
–Wildlife
Xerophilic animals
Zoology
–Zooplankton

Animal metabolism 0603.2
BT –Animal physiology
–Metabolism
RT Cloaca (zoological)
–Digestion

Animal parasites 0603.2
BT –Parasites
NT Fish parasites
Trematodes
RT Animal pathology
Epizootiology
–Hosts
Niches
–Worms
Zoonoses

Animal pathology 0603.2
BT –Pathology
RT –Animal diseases
–Animal parasites
–Animals
–Diseases
–Environmental effects
Epizootiology
Fish diseases
Fish parasites
Human pathology
–Parasites
Zoonoses

Animal physiology 0603.2
UF Physiology (animal)
NT Animal metabolism
Fish physiology
RT Aestivation
–Animal behavior
–Animals
Biochemistry
–Biology
Bioluminescence
Circulation (animals)
Cloaca (zoological)
Diapause
–Digestion
–Environmental effects
Enzymes

Animal physiology (Con.)
–Growth stages
Laboratory animals
–Metabolism
Mode of action
Moisture stress
Nutrient requirements
Oxygen requirements
Photoactivation
Photoperiodism
Physiological ecology
–Reproduction (biology)
Respiration
Water balance
Zoology

Animal populations 0603.2
BT –Population
RT –Aquatic populations
Zoology

Animals 0603.2
Use of a more specific term is recommended
UF Fauna
NT American widgeon
Ammocetes
–Amphibians
Amphipoda
Anadromous fish
–Annelids
–Aquatic animals
–Aquatic insects
Atlantic menhaden
Atlantic salmon
Barrows goldeneye duck
Bass
Beavers
–Benthic fauna
–Big game
–Birds
Black brant
Black duck
Bloodworms
Blue goose
Blue-winged teal
Bottom fish
Brackish-water fish
Brant
Brine shrimp
Brook trout
Brown trout
Buffalo fishes
Bufflehead duck
Bullheads
Burrowing animals
Caddisflies
Canada goose
Canvasback duck
Carnivores
Carp
Carpsucker
Catadromous fish
–Catfishes
Cattle
Cavefishes
Channel catfish
Chinook salmon
Chum salmon
–Cichlids
Cisco
Clams
Coastal diving ducks
–Cold-water fish
Commercial fish
–Commercial shellfish
Common eider duck
Common goldeneye duck
Common merganser duck
Common teal
Copepods
Coral
Crabs
Crayfish
–Crustaceans
Cutthroat trout
Daphnia
Darters
Deer
Desmersal fishes
–Diptera
Dobsonflies
–Domestic animals
Dragonflies
–Ducks (wild)
Eels
–Elasmobranches
Emperor goose
European widgeon
–Fish
Forage fish
–Freshwater fish
Frogs
Fry
Fulvous tree duck
–Furbearers
Gadwall duck
Game birds
Gars
–Gastropods
–Geese (wild)
Goats
Gophers
Greater scaup duck
Green-winged teal
Gulls
Halophilic animals
–Herbivores
–Herrings
Hogs
–Insects
–Invertebrates
Isopods
Jelly fish
–Juvenile fishes
Killifishes
Laboratory animals
Lacewings
Lake trout
–Lampreys
–Larvae
Lesser scaup duck
Livebearers
–Livestock
Lobsters
Low-latitude fishes
Madtoms
Mallard duck
–Mammals
Man
–Marine animals
–Marine fish
Mayflies
Mexican duck
Midges
–Migratory birds
Mink
Minnows
Mites
–Mollusks
Morays
Mosquitoes
Mottled ducks
Mullets
Muskrats
Mussels
Mute swan
Nekton
Nematodes
Newts
–Non-game birds
Non-migratory birds
Nuisance birds
Oldsquaw duck
–Oligochaetes
Omnivores
Opossum shrimp
Otters
Oysters
–Pan fish
Peccary
–Perches
Pikes
Pile perch
Pink salmon
Pink shrimp
Pintail ducks
Poultry
Prey fish
Protozoa
Puddleducks
Rainbow trout
Redhead duck
–Reptiles
Ring-necked duck
Roanoke bass
Rock bass
–Rodents
Rotifers
Rough fish
Ruddy duck
–Ruminants
Salamanders
–Saline water fish
–Salmon
–Salmonids
Sauger
Scavengers
Sculpins
–Sea basses
Sea nettles
Sharks
Sheep
–Shellfish
Shiners
Shore birds
Shoveler duck
–Shrimp
Silversides
Sludge worms
–Small animals (mammals)
–Small game
Smelts
Smolt
Snails
Snakes
Snow goose
Sockeye salmon
Song birds
Sport fish
Stellers eider duck
Sticklebacks
Stoneflies
Striped bass
–Suckers
–Sunfishes
–Swans
Teredos
Thermophilic animals
Tilapia
Toads
Trematodes
–Trout
Trumpeter swan
Tubificids
Turtles
Wading birds
Walleye
Water beetles
–Water birds
–Waterfleas
–Waterfowl
Whistling swan
White bass
White-fronted goose
White perch
White seaperch
White-winged scoter
–Wildlife
Wood duck
–Worms
Xerophilic animals
Yellow bass
Yellow perch
–Zooplankton
RT –Animal behavior
–Animal diseases
Animal groupings
Animal pathology
–Animal physiology
Animal sounds
–Aquatic life
–Benthos
–Biology
Biota
Bird types
Epizootiology
Fish and wildlife
Fish types
–Genetics
–Life cycles
Life expectancy
–Microorganisms
Periphyton
–Pest control
–Plankton
–Predation
Preservation
–Systematics
Zoology

Animal sounds 0603.2
RT –Animal behavior
–Animals
–Aquatic animals
Communication
Hydrophones

Animal wastes (wildlife) 0603.2
BT –Wastes
RT Farm wastes
Water pollution sources
–Wildlife
Zoonoses

Anion adsorption 0701
BT –Adsorption
–Ion adsorption
RT Anion exchange
Anions
Cation adsorption
Cation exchange
–Clay minerals
–Ions

Anion exchange 0701
BT –Ion exchange
RT Anion adsorption
Anions
Cation adsorption
Cation exchange
–Demineralization
Demineralization cells
–Ions

Anions 0704
BT –Ions
RT Anion adsorption
Anion exchange
Cations
Permselective membranes

Anisotropy 0704
BT –Physical properties
RT –Composite materials
Isotropy
–Mechanical properties
–Optical properties
Strength of materials
Texture

Annealing 1308
BT –Heat treatment
–Treatment
RT –Hardening
–Heating
Stress relieving

Annelids 0603.2
UF Earthworms
BT –Animals
–Invertebrates
–Worms
NT –Oligochaetes
Sludge worms
Tubificids
RT –Benthic fauna
Bloodworms
Entomology

Annotations 0502
RT Abstracts
–Documentation
Publications
–Technical writing

Annual 1407
RT Average
Biorhythms
Monthly
Seasonal
–Time
Varves
Water year

Annual benefits 0501
BT –Benefits
RT Annual costs
Annual equivalent benefits

Annual costs 1401
BT –Costs
RT Annual benefits
Annual equivalent costs
Electric power costs

Annual equivalent benefits 0501
BT –Benefits
RT Annual benefits
Annual equivalent costs
Benefit-cost analysis
Benefit-cost ratios
Comparative benefits
Manual benefits

Annual equivalent costs 1401
BT –Costs
RT Annual costs
Annual equivalent benefits
Benefit-cost analysis
Benefit-cost ratios
Comparative costs

Annual floods 0808
BT –Floods
RT Flood forecasting
Flood frequency

Annual floods (Con.)
Flood hydrology
Flood protection
Flood routing
Peak runoff
–Rainfall
–Runoff
Runoff forecasting
Streamflow forecasting
Weather forecasting

Annual succession 0606
BT –Ecosystems
–Succession
RT Seasonal

Annual turnover 0603
RT Biomass
–Productivity

Anodes 0704 0901
BT –Electrodes
RT Anodic protection
Cathodes
Cathodic protection
Electrochemistry
Electrolysis
Electrons
Electroosmosis
Graphite
Phase control

Anodic protection 1308
BT –Control
–Corrosion control
RT Anodes
Cathodes
Cathodic protection
–Corrosion
Corrosion currents
Corrosion resistance
Painting
Pitting

Anodizing 1308
RT –Coatings
Hard surfacing
Metal coatings
Painting
–Protective coatings
–Surfacing

Anser albifrons
USE White-fronted goose

Antarctic 0806
RT Arctic
Climatic zones
–Cold regions
Cold weather construction
Polar regions
–Regions
Subarctic

Antecedent precipitation 0402
BT –Groundwater sources
–Precipitation (atmospheric)
RT Infiltration
River forecasting
–Runoff
Snowmelt
–Water storage

Antennas 0905
RT Direction finding
–Electromagnetic waves
Microwaves
–Radar
Radio communication systems
–Receivers
Telemetry
–Towers
Transmission towers
–Transmitters

Anthracite
USE Coal

Antibiotics (pesticides) 0606
BT –Chemicals
–Organic pesticides
–Pesticides
–Poisons
RT –Antihelminthes (pesticides)
Antimycin A
Antiprotozoals (pesticides)
Bactericides
Fungicides
–Herbicides
Piscicides
Spirochetaticides (pesticides)
Viricides

Anticorrosion materials
USE Corrosion control

Anticyclones 0402
UF High pressure areas
RT Atmospheric pressure
Blizzards
Cyclones
–Meteorology
Weather patterns

Antierosion materials
USE Erosion control

Antifouling materials 0606
RT –Additives
Aquatic weed control
–Paints
–Protective coatings
–Weed control

Antifreeze 1107
RT –Additives
–Freezing

Antihelminthes (pesticides) 0606
BT –Chemicals
–Pesticides
–Poisons
NT Nematocides
RT Antibiotics (pesticides)

Antimycin A 0606
RT Antibiotics (pesticides)
–Chemicals
–Fish control agents
–Organic pesticides
–Pesticides
Piscicides
–Poisons

Antiprotozoals (pesticides) 0606
UF Protozoals (pesticides)
BT –Chemicals
–Pesticides
–Poisons
RT Antibiotics (pesticides)
Protozoa

Apeltes species
USE Sticklebacks

Apertures 1407
RT Cavities
Louvers
–Orifices
Ports
Spacing

Aphotic zone 0808 0810
RT Deep water
Light penetration
Oceans
Profundal zone

Apparatus
USE Equipment

Apparatus (recording)
USE Recording systems

Apparatus (vacuum)
USE Vacuum apparatus

Appeals
USE Judicial decisions

Apples 0204
UF Pyrus malus
BT –Crops
–Dicots
–Fruit crops
–Horticultural crops
–Plants (botany)
–Pome fruits
–Stone fruits
RT Orchards
–Trees

Appliances 1309
RT Domestic wastes
Domestic water
–Instrumentation
Water consumption

Application equipment 1309
BT –Equipment
RT Aerosols
–Aircraft
–Application methods
Granules
Irrigation operation & maintenance
–Irrigation practices
–Irrigation systems
Soil treatment
Sprays
Water pollution treatment

Application methods 1308
UF Application techniques
Methods of application
BT –Methodology
NT Dipping
Dusting
RT Aerosols
Application equipment
Batch processing (data)
Biocontrol
Chemcontrol
Dispersion
–Dust
Extrusions
Fertilization
Foliar application
Granules
Irrigation operation & maintenance
–Irrigation systems
–Irrigation water
Mist
–Pest control
–Pesticides
–Physical control
Post-emergents
Pre-emergents
Rates of application
Root zone
Seed treatment
Selectivity
Soil treatment
Sprays
Systemics

Application rates
USE Rates of application

Application techniques
USE Application methods

Applied psychology 0510
BT –Psychology
RT Human behavior
Incentives
Leadership
Motivation
Personnel management
Political science
Psychological aspects
Public opinion
Public relations

Applied research 1406
BT –Research and development
RT Basic research
–Engineering
–Industries
–Sciences
Scientific personnel
Technology

Appraisals 0503
NT Land appraisal
RT Assessments
–Cost analysis
–Evaluation
Foreign tests
Personnel management
Product evaluation
Real property
–Value

Appreciation 0503
UF Value added
RT Age
Depreciation
–Value

Approach channels 1313.1
BT –Channels
–Hydraulic structures
RT –Canals
Converging flow
Entrance channels
Intake channels
Intake transitions
Morning glory spillway
–Outlet works
–Powerplants
Pumping plants
Rectangular weirs
Spillway approach
Spillway capacity
–Spillways
Training walls

Appropriable waters
USE Appropriation (water rights)

Appropriation (water rights)
0504.1
UF Appropriable waters
Non-riparian waters
Water appropriation
BT –Prior appropriation
–Water rights
RT Beneficial use
Preferences (water rights)
Priorities

Appropriations (fiscal) 0501
RT –Allocations
Budgeting
–Budgets
Capital
Expenditures
Federal budgets
Revenues

Approximation method 1201
RT Estimating
Finite difference method
Finite differences
Finite element method
Monte carlo method
–Numerical analysis
Relaxation method

Appurtenances 1313
RT Small structures
–Structures
Wasteways

Aprons 1302
RT Airports
Armoring (streambed)
Bank stability
Concrete pavements
Diversion dams
Headwalls
Headworks
–Hydraulic structures
Parking areas
–Pavements
Paving
Revetments
–Rigid pavements
Riprap

Aquaria 0603.2
RT –Fish
Fish management

Aquatic algae 0603.1
UF Freshwater algae
BT –Algae
–Aquatic life
–Aquatic plants
–Plants (botany)
NT Chara
Diatoms
Dinoflagellates
Euglena
–Euglenophyta
Marine algae
Nuisance algae
Ochromonas
Odor-producing algae
–Pyrrophyta
Rhodophyta
Scenedesmus
Taste-producing algae
RT Algal control
Algal poisoning
–Aquatic microorganisms
Aquatic productivity
Aquatic weed control
–Aquatic weeds
Benthic flora
–Benthos
Chlamydomonas
Chlorella
–Chlorophyta

Aquatic algae (Con.)
–Chrysophyta
Cyanophyta
Eutrophication
Fish food organisms
–Floating plants
Fouling
Harvesting of algae
–Nannoplankton
Periphyton
Phaeophyta
–Plankton
Primary productivity
Scum
Sessile algae
–Submerged plants
Water pollution sources
–Weeds

Aquatic animals 0603.2
UF Aquatic invertebrates
Freshwater animals
Hydrophilic animals
BT –Animals
–Aquatic life
NT Ammocetes
Amphipoda
Anadromous fish
–Aquatic insects
Atlantic menhaden
Atlantic salmon
Bass
–Benthic fauna
Bottom fish
Brackish-water fish
Brine shrimp
Brook trout
Brown trout
Buffalo fishes
Bullheads
Carp
Carpsucker
Catadromous fish
–Catfishes
Cavefishes
Channel catfish
Chinook salmon
Chum salmon
–Cichlids
Cisco
Clams
–Cold-water fish
Commercial fish
–Commercial shellfish
Copepods
Coral
Crabs
Crayfish
–Crustaceans
Cutthroat trout
Daphnia
Darters
Desmersal fishes
Dobsonflies
Dragonflies
Eels
–Elasmobranches
–Fish
Forage fish
–Freshwater fish
Fry
Gars
–Gastropods
–Herrings
Isopods
Jelly fish
–Juvenile fishes
Killifishes
Lake trout
–Lampreys
Livebearers
Lobsters
Low-latitude fishes
Madtoms
–Marine animals
–Marine fish
Minnows
–Mollusks
Morays
Mullets
Mussels
Nekton
Newts
–Oligochaetes
Opossum shrimp
Oysters
–Pan fish
–Perches
Pikes
Pile perch
Pink salmon
Pink shrimp
Prey fish
Rainbow trout
Roanoke bass
Rock bass
Rotifers
Rough fish
Salamanders
–Saline water fish
–Salmon
–Salmonids
Sauger
Sculpins
–Sea basses
Sea nettles
Sharks
–Shellfish
Shiners
–Shrimp
Silversides
Sludge worms
Smelts
Smolt
Snails
Sockeye salmon
Sport fish
Sticklebacks
Stoneflies
Striped bass
–Suckers
–Sunfishes
Teredos
Tilapia
–Trout
Tubificids
Walleye
Water beetles
–Waterfleas
White bass
White perch
White seaperch
Yellow bass
Yellow perch
–Zooplankton
RT –Amphibians
Animal groupings
Animal sounds
–Aquatic microorganisms
–Benthos
Burrows
Coastal diving ducks
Fish types
Frogs
–Furbearers
–Invertebrates
–Limnology
Nematodes
Periphyton
–Plankton
Protozoa
Puddleducks
–Reptiles
–Rodents
Shore birds
–Small animals (mammals)
Snakes
Thermophilic animals
Toads
Trematodes
Turtles
Wading birds
–Water birds
–Worms

Aquatic bacteria 0613
UF Freshwater bacteria
BT –Aquatic life
–Aquatic microorganisms
–Aquatic plants
–Bacteria
–Microorganisms
–Plants (botany)
–Seston
NT Beggiatoa
Ferrobacillus
Marine bacteria
Sphaerotilus
Thermophilic bacteria
RT Acid bacteria
–Aerobic bacteria
Azotobacter
–Coliforms
E. coli
–Iron bacteria
–Limnology
Myxobacteria
–Nannoplankton
–Phytoplankton
–Plankton
Pseudomonas
Sewage bacteria
–Sulfate reducing bacteria
Thiobacillus ferrooxidans
Water pollution sources

Aquatic birds
USE Water birds

Aquatic drift 0803
UF Drift (aquatic)
BT –Drift
NT Driftwood
Flotsam
Jetsam
Tripton
RT –Aquatic life
–Aquatic microorganisms
Drifting (aquatic)
–Plankton
–Sediment load
–Seston
Suspension

Aquatic environment 1407
UF Fish environment
BT –Environments
NT Estuarine environment
Lentic environments
Lotic environment
RT –Aquatic habitats
Aquatic microbiology
–Biology
–Bodies of water
Calefaction
–Currents (water)
Depth
Fish behavior
Light penetration
Light quality
–Limnology
–Marshes
–Shores
–Surface waters
–Swamps
Turbidity
–Water pollution
Water properties
Water temperature
–Water types
–Wetlands

Aquatic fungi 0603.1
UF Freshwater fungi
BT –Aquatic life
–Aquatic microorganisms
–Aquatic plants
–Fungi
–Microorganisms
–Plants (botany)
–Seston
NT Marine fungi
RT –Nannoplankton
Pathogenic fungi
–Phytoplankton
–Plankton
Scum
Water pollution sources

Aquatic habitats 0606
BT –Environments
–Habitats
NT Deep-water habitats
RT –Aquatic environment
Biomass
–Bodies of water
–Ecology
Estuaries
Farm ponds
Fish behavior
Fish establishment
Gulfs
Intertidal areas
–Limnology
–Marshes
–Ponds
–Population
–Reservoirs
–Swamps
Terrestrial habitats
–Wetlands
Wildlife habitats

Aquatic insects 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Insects
–Invertebrates
NT Dobsonflies
Dragonflies
Stoneflies
Water beetles
RT Animal groupings
Caddisflies
–Diptera
Fish food organisms
Lacewings
–Larvae
–Limnology
Mayflies
Midges
Mites
Mosquitoes
Water pollution sources

Aquatic invertebrates
USE Aquatic animals

Aquatic life 0603
NT Alligatorweed
American widgeon
Ammocetes
–Amphibious plants
Amphipoda
Anadromous fish
–Aquatic algae
–Aquatic animals
–Aquatic bacteria
–Aquatic fungi
–Aquatic insects
–Aquatic microorganisms
–Aquatic plants
–Aquatic weeds
Atlantic menhaden
Atlantic salmon
Barrows goldeneye duck
Bass
Beggiatoa
–Benthic fauna
Benthic flora
–Benthos
Black brant
Black duck
Blue goose
Blue-winged teal
Bottom fish
Brackish-water fish
Brant
Brine shrimp
Brook trout
Brown trout
Buffalo fishes
Bufflehead duck
Bullheads
Bulrush
Canada goose
Canvasback duck
Carp
Carpsucker
Catadromous fish
–Catfishes
Cattails
Cavefishes
Channel catfish
Chara
Chinook salmon
Chlamydomonas
Chum salmon
–Cichlids
Cisco
Clams
Coastal diving ducks
–Cold-water fish
Commercial fish
–Commercial shellfish
Common eider duck
Common goldeneye duck
Common merganser duck
Common teal
Copepods
Coral
Crabs
Crayfish
–Crustaceans
Cutthroat trout
Daphnia
Darters
Desmersal fishes
Dinoflagellates
Ditch grass
Dobsonflies
Dragonflies
–Ducks (wild)
Eels
–Elasmobranches
Emperor goose

Aquatic life (Con.)
Euglena
–Euglenophyta
European widgeon
Ferrobacillus
–Fish
–Floating plants
–Floating weeds
Forage fish
–Freshwater fish
Fry
Fulvous tree duck
Gadwall duck
Gars
–Gastropods
–Geese (wild)
Greater scaup duck
Green-winged teal
Gulls
–Herrings
Isopods
Jelly fish
–Juvenile fishes
Killifishes
Lake trout
–Lampreys
Lesser scaup duck
Livebearers
Lobsters
Low-latitude fishes
Madtoms
Mallard duck
Marine algae
–Marine animals
Marine bacteria
–Marine fish
Marine fungi
–Marine microorganisms
–Marine plants
Mexican duck
Minnows
–Mollusks
Morays
Mottled ducks
Mullets
Mussels
–Nannoplankton
Nekton
Newts
Nuisance algae
Ochromonas
Odor-producing algae
Oldsquaw duck
–Oligochaetes
Opossum shrimp
Oysters
–Pan fish
–Perches
Periphyton
–Phytoplankton
Pikes
Pile perch
Pink salmon
Pink shrimp
Pintail ducks
–Plankton
–Pondweeds
Prey fish
Puddleducks
–Pyrrophyta
Rainbow trout
Redhead duck
Rhodophyta
Ring-necked duck
Roanoke bass
Rock bass
–Rooted aquatic plants
Rotifers
Rough fish
Ruddy duck
Sago pondweed
Salamanders
–Saline water fish
–Salmon
–Salmonids
Sauger
Scenedesmus
Sculpins
–Sea basses
Sea nettles
Sharks
–Shellfish
Shiners
Shoveler duck
–Shrimp
Silversides
Sludge worms
Smelts
Smolt
Snails
Snow goose
Sockeye salmon
Sphaerotilus
Sport fish
Stellers eider duck
Sticklebacks
Stoneflies
Striped bass
–Submerged plants
–Suckers
–Sunfishes
Taste-producing algae
Teredos
Thermophilic bacteria
Tilapia
–Trout
Tubificids
Wading birds
Walleye
Water beetles
–Water birds
–Waterfleas
–Waterfowl
Water hyacinth
White bass
White-fronted goose
White perch
White seaperch
White-winged scoter
Widgeon grass
Wild rice
Wood duck
Yellow bass
Yellow perch
–Zooplankton
RT –Animals
–Aquatic drift
Biota
Calefaction
–Limnology
–Marine borers
Marine engineering
–Plants (botany)
–Seston
Shore birds
Water analysis

Aquatic microbiology 0613
UF Water microbiology
BT –Microbiology
RT –Algae
–Aquatic environment
–Aquatic microorganisms
–Bacteria
–Biodegradation
–Ecology
–Limnology
–Viruses
–Water pollution
–Water quality

Aquatic microorganisms 0613
UF Freshwater microorganisms
BT –Aquatic life
–Microorganisms
–Seston
NT –Aquatic bacteria
–Aquatic fungi
Beggiatoa
Diatoms
Dinoflagellates
Euglena
–Euglenophyta
Ferrobacillus
Marine bacteria
Marine fungi
–Marine microorganisms
–Nannoplankton
Ochromonas
Rhodophyta
Rotifers
Sphaerotilus
Thermophilic bacteria
RT Acid bacteria
–Aerobic bacteria
–Algae
–Aquatic algae
–Aquatic animals
–Aquatic drift
Aquatic microbiology
–Aquatic plants
–Bacteria
–Benthic fauna
Benthic flora
–Benthos
Chlamydomonas
Chlorella
–Chlorophyta
–Coliforms
–Crustaceans
Cyanophyta
E coli
–Enteric bacteria
–Floating plants
–Iron bacteria
–Limnology
Marine algae
Myxobacteria
Nematodes
Pathogenic bacteria
Phaeophyta
–Phytoplankton
–Plankton
Primary productivity
Protozoa
Pseudomonas
–Pyrrophyta
Scum
Sewage bacteria
–Submerged plants
–Sulfate reducing bacteria
Thermophilic animals
Thiobacillus ferrooxidans
–Viruses
Water pollution sources
Yeasts
–Zooplankton

Aquatic plant control
USE Aquatic weed control

Aquatic plants 0603.1
UF Aquatic vascular plants
Aquatic vegetation
Freshwater plants
BT –Aquatic life
–Plants (botany)
NT Alligatorweed
–Amphibious plants
–Aquatic algae
–Aquatic bacteria
–Aquatic fungi
–Aquatic weeds
Beggiatoa
Benthic flora
Bulrush
Cattails
Chara
Chlamydomonas
Dinoflagellates
Ditch grass
Euglena
–Euglenophyta
Ferrobacillus
–Floating plants
–Floating weeds
Marine algae
Marine bacteria
Marine fungi
–Marine plants
–Nannoplankton
Nuisance algae
Ochromonas
Odor-producing algae
–Phytoplankton
–Pondweeds
–Pyrrophyta
Rhodophyta
–Rooted aquatic plants
Sago pondweed
Scenedesmus
Sphaerotilus
–Submerged plants
Taste-producing algae
Thermophilic bacteria
Water hyacinth
Widgeon grass
Wild rice
RT Acid bacteria
–Aerobic bacteria
–Algae
–Aquatic microorganisms
Chlorella
–Chlorophyta
Clubmoss
–Coliforms
Cyanophyta
Fouling
–Limnology
Phaeophyta
–Plankton
Plant groupings

Aquatic populations 0603.2
BT –Population
NT Fish populations
RT Animal populations
Food chains
–Limnology
Plant populations

Aquatic productivity 0603
BT –Productivity
RT Aerobic treatment
–Aquatic algae
–Benthos
Creel census
Eutrophication
Fish farming
–Limnology
–Plankton
Water analysis

Aquatic soils 0810
UF Submerged soils
BT –Earth materials
–Materials
–Soils
–Soil types
RT Drowned (submerged)
Fish farming
Rice
Underwater

Aquatic vascular plants
USE Aquatic plants

Aquatic vegetation
USE Aquatic plants

Aquatic weed control 0606
UF Aquatic plant control
BT –Control
–Pest control
–Weed control
RT Algal control
Algicides
Antifouling materials
–Aquatic algae
–Herbicides
Mechanical control
Sago pondweed
–Weeds

Aquatic weeds 0603.1
UF Water weeds
BT –Aquatic life
–Aquatic plants
–Plants (botany)
–Weeds
NT Alligatorweed
–Floating weeds
–Pondweeds
Sago pondweed
–Submersed weeds
Water hyacinth
RT –Amphibious plants
–Aquatic algae
Bulrush
Capacity reduction
Cattails
–Floating plants
Irrigation ditches
Nuisance algae
Plant groupings
Rice
–Rooted aquatic plants
–Submerged plants
Test canals

Aqueducts 1313.1
BT –Closed conduits
–Conduits
–Conveyance structures
–Hydraulic structures
–Waterways
RT –Canals
–Flumes
–Intake structures
–Noncircular conduits
Penstocks
–Pipelines
–Pipes
Public works
Pumping plants
Siphons
Trapezoidal flumes
–Tubes
–Tunnels
Water conveyance
Water plans
Water supply systems
–Water tunnels (conveyance)

Aqueous solutions 0704
UF Solutions (aqueous)
BT –Solutions

Aqueous solutions (Con.)
RT –Desalination
Electrolytes
Equilibrium
Hydrolysis
Liquids
–Saline water
Saline water systems
Solubility
–Solutes
Solvation
–Thermodynamics
Water analysis
–Water chemistry
Water properties

Aquicludes 0808.1
UF Confining beds
RT –Aquifers
Aquitards
Artesian aquifers
Artesian water
Artesian wells
Confined water
Flow nets
Geohydrologic units
–Geologic formations
Groundwater barriers
Groundwater basins
Groundwater flow
–Hydrologic models
Impervious soils
Perched water table
Permeability
–Springs (water)
Strata
Strip aquifers
Two-part aquifers

Aquiculture 0801
NT Fish farming
RT Agriculture
Commercial fishing
Hydroponics
–Shellfish

Aquifer characteristics 0808.1
RT –Aquifers
–Boundaries (surfaces)
–Groundwater
Groundwater geology
–Hydraulics
–Hydrogeology
Rock properties
Transmissivity
–Water quality
–Water storage

Aquifer model 0808.1
BT –Hydrologic models
–Models
–Model studies
RT –Aquifers
–Groundwater
Groundwater flow

Aquifers 0808.1
UF Confined aquifers
Groundwater reservoirs
Unconfined aquifers
Water-bearing formations
Water horizons
NT Artesian aquifers
Strip aquifers
Two-part aquifers
RT Aquicludes
Aquifer characteristics
Aquifer model
Aquitards
Artesian water
Artesian wells
Barometric efficiency
Bedrock
–Bodies of water
Confined water
Conjunctive use
Diffusivity
–Drawdown
–Flow
Flow nets
Geohydrologic units
–Geologic formations
–Groundwater
Groundwater barriers
Groundwater basins
Groundwater flow
Groundwater geology
Groundwater hydrology
Groundwater recharge
–Groundwater sources
–Hydrogeology
–Hydrologic models
Inflow
Malenclaves
Natural recharge
Permeability
–Pervious soils
–Phreatic water
Porosity
Porous media
Potentiometric level
Pumping tests (wells)
–Recharge
Recharge wells
Safe yield
–Saline water intrusion
–Soil water
Specific capacity
Specific retention
Specific yield
Spreading basins
–Springs (water)
Storage coefficient
–Subsurface waters
Thiem test
Transmissibility coefficient
Underflow
Underground storage
Underground water storage
Water sources
–Water table
–Water wells

Aquifer-stream relationships
USE Surface-groundwater relationships

Aquifer tests 0808.1
BT –Tests
RT –Drawdown
Irrigation wells
Phreatic lines
–Pumping
Pumping tests (wells)
Specific capacity
Theis equation
Thiems equation
Thiem test
–Water wells
–Wells

Aquitards 0808.1
RT Aquicludes
–Aquifers
–Geologic formations
Groundwater basins
–Hydrologic models
Porous media

Arable land 0204
BT –Land
RT Agriculture
–Cultivation
–Drainage
Irrigable land
Irrigated land
–Irrigation
Land classification
Land reclamation

Arachis hypogaea
USE Peanuts

Arc cutting
USE Arc welding

Archaeology 0506
RT Cultures
Fossils
–Geology
History
Man
Paleoclimatology
Paleontology

Arch bridges 1313.5
BT –Bridges (structures)
–Engineering structures
RT Arches
Arch trusses
Bridge design
Highway bridges
Railroad bridges
–Structural design

Arch dams 1313.1
BT –Concrete dams
–Concrete structures
–Dams
–Engineering structures
–Hydraulic structures
NT Double-curvature arch dams
Multiple arch dams
Thin arch dams
RT Arches
Buttress dams
Gravity dams
Masonry dams
–Shell structures
Trial-load method

Arches 1313.5
RT Arch bridges
–Arch dams
Architecture
Arch trusses
–Bridges (structures)
–Buildings
–Structural design

Architects 0509
BT –Personnel
–Professional personnel
–Technologists
RT Architecture
–Beautification
Building design
–Buildings
Designers
Landscaping

Architectural concrete 1303.1
BT –Building materials
–Concretes
–Construction materials
RT Concrete finishing
–Concrete products
Lightweight concretes
Precast concrete

Architecture 1313.4
RT Arches
Architects
Arts
–Beautification
Building design
–Building materials
–Buildings
Composite beams
Composite structures
–Construction
–Construction materials
–Construction methods
Corbels
–Design
Landscaping
Lighting
–Metalwork
Prestressed concrete
Residences
–Sciences
–Structural design
Structural engineering
–Structures
Warehouses

Arch trusses 1313.5
BT –Trusses
RT Arch bridges
Arches
–Bridges (structures)
–Buildings
Highway bridges
Railroad bridges
–Structural design
–Structural members

Arcs (electric)
USE Electric arcs

Arctic 0806
RT Alaska
Antarctic
Climatic zones
–Cold regions
Cold weather construction
Glaciers
Permafrost
Polar regions
–Regions
Subarctic
Tundra

Arc voltages
USE Electric arcs

Arc welding 1308
UF Arc cutting
BT –Welding
RT Brazing
Electric arcs

Area 1201
RT Geometry
Integrals
–Plane surveying
Specific surface
–Surfaces
Volume

Area-altitude analysis
USE Hypsometric analysis

Area capacity curves 0808
BT –Curves
–Geometric shapes
RT –Charts
Dead storage
Flood routing
Graphical analysis
–Reservoirs
Reservoir storage
Reservoir surveys
–Water levels

Area-depth curves
USE Depth-area curves

Areal 1201
RT Acreage
–Dimensions
Hypsometric analysis
Lake morphometry
–Maps
–Profiles
Rainfall disposition
–Regions
–Size
–Surfaces
Volume
–Zoning

Area redevelopment 0511 1302
RT City planning
Community development
–Economics
–Education
Employment opportunities
Labor supply
Multiple purpose projects
–Planning
Political aspects
–Relocation
–Resource development
–Resources
Rural sociology
–Social aspects
Urban renewal
Urban sociology
Water resources development

Argic water
USE Vadose water

Argon 0702
BT –Chemical elements
–Gases
–Inert gases
–Nonmetals

Arid climates 0402
BT –Climate
RT Arid lands
Climatic zones
–Climatology
Deserts
Dry seasons
Dune sands
–Geography
Playa lakes
–Rainfall
Semiarid climates
Temperate
Weather

Arid lands 0806
BT –Land
–Regions
RT Advection
Arid climates
Cacti
Chaparral
–Cold regions
Deserts
Droughts
Dry beds
Dry land farming
Dunes

Arid lands (Con.)
Dune sands
Fallowing
Halophilic animals
Halophytes
Land reclamation
Moisture availability
—Pedocals
—Phreatophytes
Playa lakes
Range management
Reclamation states
Semiarid climates
Semiarid land
Sierozems
Stubble mulching
Temperate
Terrestrial habitats
Water spreading
Xerophilic animals
—Xerophytes

Arizona 0806
BT —Geographical regions
—States (geographical)
RT Reclamation states

Arkansas 0806
BT —Geographical regions
—States (geographical)

Armoring (streambed) 1313.1
RT Aggradation
Aprons
—Erosion control
—Linings
Paving
Protective coverings
Riprap
Slope protection
—Stabilization
Stream erosion
Stream stabilization

Army 1503
RT Military
—National defense
Navy

Aroma
USE Odor

Aromatic compounds 0703
BT —Chemical compounds
—Organic compounds
NT Alkylbenzene sulfonates
Benzene
Phenols

Aromatic solvents 0703
BT —Solvents
RT Benzene
—Styrene resins

Arrow diagrams 0501
BT —Diagrams
RT Bar graphs
—Construction control
Critical path method
Flow charts
PERT

Arroyos 0807
BT —Land forms
RT Canyons
Dry beds
Ephemeral streams
Gullies
Gully erosion
Intermittent streams
Ravines
Semiarid climates

Arsenicals (pesticides) 0606
BT —Arsenic compounds
—Chemicals
—Inorganic compounds
—Pesticides
NT Sodium arsenite

Arsenic compounds 0702 0703
BT —Chemical compounds
—Inorganic compounds
NT —Arsenicals (pesticides)
Sodium arsenite

Arsenic radioisotopes 1802
BT —Isotopes
—Radioisotopes

Artemia
USE Brine shrimp

Artesian aquifers 0808.1
BT —Aquifers
RT Aquicludes
Artesian water
Artesian wells
Confined water
—Groundwater
Groundwater mining
Groundwater potential
Lake bottom springs
—Pressure
—Springs (water)
—Subsurface waters
Underground streams
—Water pressure
Water sources
—Water wells
—Wells

Artesian water 0808.1
BT —Groundwater
—Subsurface waters
—Water
RT Aquicludes
—Aquifers
Artesian aquifers
Artesian wells
Confined water
Groundwater depletion
Groundwater flow
Groundwater management
Groundwater mining
—Groundwater sources
Hydraulic gradient
Percolating water
—Phreatic water
Quicksand
Sand boils
—Springs (water)
Theis equation
Thiems equation
Two-part aquifers
Underground streams
—Water pressure

Artesian wells 0808.1
BT —Water wells
—Wells
RT Aquicludes
—Aquifers
Artesian aquifers
Artesian water
Confined water
—Groundwater
Groundwater basins
Groundwater flow
Groundwater potential
—Phreatic water
—Pressure
—Springs (water)
Strip aquifers
—Subsurface waters
Two-part aquifers
—Water pressure
Water sources

Artificial flow
USE Developed waters

Artificial precipitation
USE Induced precipitation

Artificial recharge 0808.1
BT —Recharge
—Water management (applied)
NT Induced infiltration
Pit recharge
RT —Flow control
Furrow systems
Groundwater recharge
—Irrigation practices
—Irrigation water
Irrigation wells
Natural recharge
Spreading basins
—Waste water disposal
—Water reuse
Water salvage
Water spreading
—Water wells

Artificial respiration
USE Resuscitation

Artificial satellites
USE Satellites (artificial)

Artificial storms 0402.1
BT —Storms
RT Storm structure
—Weather modification

Artificial use 1314
UF Extraordinary use
RT Cooling water
—Irrigation water
Mill dams
Multiple purpose reservoirs
Municipal water
Reasonable use
—Riparian rights
Stock water
—Waste disposal
—Water pollution

Artificial watercourses 0808
BT —Watercourses (legal)
RT Natural streams

Arts 0506
Use of a more specific term is recommended
RT Aesthetics
Architecture
—Beautification
Drawings
—Environments
—Sciences

Asbestos 1105
RT Asbestos cement
—Building materials
—Fibers
—Mechanical insulation
Serpentine
Thermal insulation

Asbestos cement 1303.1
UF Cement (asbestos)
BT —Building materials
—Concretes
—Construction materials
—Materials
RT Asbestos
Asbestos-cement pipes

Asbestos-cement pipes 1311
BT —Closed conduits
—Concrete products
—Concrete structures
—Conduits
—Pipes
RT Asbestos cement
—Buried pipes
Concrete pipes
—Pipelines
Pressure pipes
Reinforced plastic pipe
Rigid pipes
Tees
Water pipes

Ash (fly)
USE Fly ash

Ash (volcanic)
USE Volcanic ash

Ash trees 0206
UF Farxinus species
BT —Crops
—Deciduous trees
—Dicots
—Horticultural crops
—Plants (botany)
—Trees

Asparagus 0204
BT —Crops
—Field crops
—Horticultural crops
—Monocots
—Plants (botany)
—Vegetable crops

Asphalt cement 1303
BT —Asphalts
—Bitumens
—Bituminous cements
—Bituminous materials
—Cements
NT Catalytically blown asphalt
Cutback asphalts
RT —Asphalt emulsions
—Asphalts
Bituminous concretes
Canal linings
Cationic asphalt emulsions
—Linings
Mastics
—Pavements
—Roads
Roofing materials
Water seals

Asphalt emulsions 1303
BT —Emulsions
NT Cationic asphalt emulsions
RT —Asphalt cement
—Asphalts
—Bitumens
—Bituminous cements
—Bituminous materials
—Coatings
Moistureproofing
—Sealants
Soil stabilization

Asphaltic concretes
USE Bituminous concretes

Asphalt membranes 1303
BT —Membranes
RT —Asphalts
—Bitumens
—Bituminous cements
Bituminous concretes
—Bituminous materials
Buried membranes
Canal linings
Canal sealants
Catalytically blown asphalt
Flexible linings
Impervious linings
Impervious membranes
—Leakage
—Lined canals
Seepage control
Waterproofing

Asphalt plants 1303
BT —Construction equipment
—Construction plants
—Equipment
RT —Asphalts
Bituminous concretes
—Bituminous materials
—Mixers
Paving
Road construction

Asphalts 1303
BT —Bitumens
—Bituminous materials
—Construction materials
—Hydrocarbons
NT —Asphalt cement
Catalytically blown asphalt
Cutback asphalts
RT —Asphalt cement
—Asphalt emulsions
Asphalt membranes
Asphalt plants
—Bituminous cements
Bituminous concretes
—Building materials
Canal linings
Cationic asphalt emulsions
Coal tar
—Concretes
Flexible pavements
—Linings
Mastics
—Pavements
Paving
Petroleum
Pipe linings
Pitch (materials)
—Protective coatings
Road design
Roofing materials
Seal coat
—Seals (stoppers)
Soil asphalt
Streets
Water seals
Water stops

Assay 1402
BT —Analytical techniques
NT Bioassay
RT —Chemical analysis
—Evaluation
Foreign tests
Laboratory tests

USE = Use preferred term; UF = Used for; BT = Broader term; NT = Narrower term; RT = Related term.

Assay (Con.)
Pollutant identification
–Sampling
–Tests
–Warning systems

Assessments 0503
RT –Appraisals
–Evaluation
–Income
Land appraisal
Progressive taxes
Real property
Revenues
–Taxes
–Value

Associated costs 1401
BT –Costs
RT Contingency costs

Associations
USE Organizations

Astronomical bodies 0301
NT Earth (planet)
Mars (planet)
Moon
–Planets
–Stars
Sun
RT Astronomy
Extraterrestrial hydrology
Meteorites
Meteors
–Satellites (artificial)

Astronomy 0301
RT –Astronomical bodies
Direction finding
Earth (planet)
Extraterrestrial hydrology
Meteors
Phase studies
–Planets
Solar systems
–Stars
Sun

Asymmetry 1407
RT Distortion (optics)
Distortion (structural)
Eccentricity
–Geometric shapes
Geometry
Grain shapes
–Shape
Skewed structures
Symmetry

ATA
USE Aminotriazole

Atherinidae
USE Silversides

Atlantic menhaden 0603.2
UF Brevoortia tyrannus
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Herrings
–Marine animals
–Marine fish
–Saline water fish
–Wildlife

Atlantic salmon 0603.2
UF Landlocked salmon
Salmo salar
Seago salmon
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Salmon
–Salmonids
–Wildlife
RT –Freshwater fish
–Marine fish

Atmometers 1402
BT –Instrumentation
RT –Evaporation
Evaporimeters

Atmosphere 1407
BT –Natural resources
NT Troposphere
Upper atmosphere
RT –Air
Air circulation
Air environment
–Air masses
–Air pollution
Atmospheric pressure
Auroras
Cirrus clouds
Climatic changes
–Climatology
Cloud physics
–Clouds
Convection
Cumulus clouds
–Environments
Fallout
Fronts (atmospheric)
Hydrologic cycle
–Hygrometry
Liquid water content
–Meteoric water
Meteorological data
–Meteorology
Ozone
Precipitable water
–Precipitation (atmospheric)
–Radiation
–Storms
Stratus clouds
Vapor pressure
–Water vapor

Atmospheric corrosion 1113
BT –Corrosion
RT Corrosion environments
Underwater corrosion

Atmospheric fallout
USE Fallout

Atmospheric motion 0402
RT –Air masses
Cyclones
–Storms
Turbulence
–Wind (meteorology)

Atmospheric physics 0401
BT –Meteorology
–Physics
NT Cloud physics
RT Air temperature
Atmospheric pressure
Atmospheric research
Auroras

Atmospheric pollution
USE Air pollution

Atmospheric precipitation
USE Precipitation (atmospheric)

Atmospheric pressure 0402
UF Barometric pressure
BT –Pressure
RT Anticyclones
–Atmosphere
–Atmospheric physics
Barometers
Barometric efficiency
–Climatology
Cyclones
Elevation
Hurricanes
Isobars
Low pressure
–Meteorology
Microenvironment
–Negative pressure
–Subatmospheric pressure
Tornadoes

Atmospheric research 0401
BT –Research and development
RT –Atmospheric physics
–Meteorology
–Weather modification

Atmospherics 2014
BT –Interference
RT Radio interference
–Radio waves
Static electricity

Atmospheric water
USE Meteoric water

Atolls 0806
BT –Land forms
RT –Carbonate rocks
Coral
–Ecology
–Islands
Oceans
Reefs

Atomic blasts
USE Nuclear explosions

Atomic energy
USE Nuclear energy

Atomic explosions
USE Nuclear explosions

Atomic plants
USE Nuclear powerplants

Atoms 2008
RT –Chemical elements
Electrons
–Ions
–Isotopes
Molecular structure
Molecular weight
Molecules
Neutrons
Nuclear physics
Protons

At rest pressure 0813
BT –Earth pressure
–Pressure
RT Active pressure
Horizontal loads
–Lateral forces
Load distribution
Passive pressure
–Retaining walls
Soil pressure
Stress distribution

Attached algae
USE Sessile algae

Attenuation 1407
RT –Abatement
–Absorption
Attenuators
Baffles
Conduction
–Damping
–Diffraction
Dissipation
Electric power losses
Energy absorption
Inhibition
Light waves
–Reduction
Retarding
Scattering
Suppression (electrical)
–Transmission (electrical)
Transmission loss
Tuned transmission
Wave propagation

Attenuators 1407
RT Absorbers
Acoustic insulation
Attenuation
Baffle piers
Baffle plates
Baffles
–Deflectors
Inhibitors
Radiation shielding
–Shielding

Atterberg limits 0813
BT –Soil properties
NT Liquid limit
Plasticity index
Plastic limits
RT –Clays
–Consistency
Index tests
–Moisture content
–Plasticity
Relative consistency
Soil plasticity
–Soil tests

Attitudes 0510
RT Decision making
Human behavior
Morale
Motivation
Orientation
Psychological aspects
–Psychology
–Social aspects
–Value

Attractants 0606
NT Fish attractants
Insect attractants
Mammalian attractants
RT –Animal control
Baits
–Fish control agents
Odor
–Pest control
–Pesticides
Plant growth substances
–Repellents
Selectivity

Auditing 0501
RT Accounting
–Costs

Aufwuchs
USE Periphyton

Auger borings 081
BT –Borings
RT –Augers
Auger-type footings
Boring
Drill holes
–Drilling
–Drilling equipment
–Drills
–Exploration
Foundation investigations
Hand augers
Rotary drilling
–Sampling
Soil investigations
Subsurface investigations
Test holes

Augers 1309
BT –Drilling equipment
–Drills
–Equipment
–Machine tools
NT Hand augers
RT Auger borings
Auger-type footings
Boreholes
Boring machines
–Borings
Drill holes
–Drilling
Hand tools
Mobile equipment
Rotary drilling
–Samplers
–Soil samplers

Auger-type footings 1313.6
BT –Footings
–Foundations
RT –Anchors
Auger borings
–Augers
Belled anchors
Belled footings
Columns
Transmission towers
Uplift footings

Augmentation (flow)
USE Flow augmentation

Auroras 0401
RT –Atmosphere
–Atmospheric physics
–Disturbances
Magnetic fields
Solar disturbances

Autoclaves 1309
BT –Containers
–Equipment
RT –Curing
–Digestion
Digestion tanks
Leaching
Preheating
–Pressure
Pressure vessels
Steam curing

Autoclaves (Con.)
–Vessels

Autogenic succession 0606
BT –Ecosystems
–Succession
RT –Habitats
Vegetation effects

Autogenous healing 1303.1
RT Cast-in-place pipes
Concrete pipes
–Concretes
–Concrete technology
–Cracks
–Leakage
Repairing

Automatic 1407
RT Automatic control
Automation
Remote control

Automatic control 1402
BT –Control
RT Automatic
Automation
Cams
Computer applications
–Computers
–Control equipment
Control systems
–Electronic equipment
Feedback
Float wells
–Flow control
Gate control
Governors
–Instrumentation
Mechanical control
Mechanization
Moisture sensors
–Operations
Power system stability
Process control
–Recording systems
Remote control
Servomechanisms
Supervisory control (power)
Temperature control
–Water management (applied)
–Water resources management

Automatic data processing
USE Data processing

Automation 1308
RT Analog computers
Automatic
Automatic control
–Computers
–Control equipment
Control systems
–Data processing
Data transmission
–Distribution systems
–Equipment
Feedback
Hybrid computers
–Instrumentation
Machine translating
Materials control
–Measurement
Mechanization
–Planning
Process control
Remote control
Servomechanisms
Stilling wells
Synoptic analysis

Automobiles 1306
UF Cars (automobiles)
BT –Motor vehicles
RT Conveyances
Garages
Parking areas
–Roads
Tires
Traffic
Trailers
Vehicles
Wrecks

Autotransformers 0905
BT –Electrical equipment
–Power transformers
–Transformers
–Voltage dividers
RT Insulating oil
Transformer oils

Autumn 0402
UF Fall
BT –Seasons
RT Seasonal

Available moisture
USE Moisture availability

Avalanches 0812
UF Snowslides
NT Debris avalanches
RT –Colluvium
Disasters
–Earth movements
Earthquake damage
–Floods
–Landslides
Mountains
Rockslides
Rock slope stability
–Safety
–Slope stability
–Snow
Snow management
Snow mechanics
Snowpacks

Avena sativa
USE Oats

Average 1201
UF Mean
Median
RT Annual
Climatic data
Distribution patterns
Hyetographs
Mean diameter
–Measurement
Median diameter
Monthly
–Quality control
Seasonal
Variability
Weather data

Average costs 1401
BT –Costs
RT Average income
Average prices

Average flow 0808
BT –Flow
–Movement
RT Low flow
–Streamflow

Average income 0503
BT –Income
RT Average costs
Average prices

Average prices 0503
BT –Prices
RT Average costs
Average income

Aviation
USE Aeronautics

Avicides 0606
BT –Chemicals
–Pesticides
–Poisons
RT –Animal control
–Birds
Nuisance birds

Avulsion 0504.1
RT Bank erosion
Boundaries (property)
–Floods

Axial compression 2012
BT –Compression
NT Biaxial compression
Triaxial compression
RT –Axial loads
–Axial shear
Axial strain
–Axial stress
Compression curves
–Compression tests
Compressive strength
Compressive stress
Soil compression tests
Unconfined compression

Axial flow 2004
BT –Flow
–Movement
RT –Compressors
Deriaz pump turbine
–Fluid flow
–Hydraulic machinery
–Hydraulics
–Pumps
–Rotary pumps
Steam turbines
–Turbines

Axial flow pumps
USE Propeller pumps

Axial flow turbines 1307.1
BT –Equipment
–Hydraulic machinery
–Hydraulic turbines
–Turbines
RT Pelton turbines

Axial loads 2011
BT –Loads (forces)
NT Biaxial loads
Triaxial loads
RT –Axial compression
–Axial shear
Axial strain
–Axial stress
–Axial tension
Dead loads
–Live loads
Total loads
Ultimate loads
Vertical loads
–Weight

Axial shear 2012
BT –Shear
NT Biaxial shear
Triaxial shear
RT –Axial compression
–Axial loads
Axial strain
–Axial stress
–Axial tension
Shear distribution
Shear failure
Shear forces
Shear strength
–Shear tests

Axial strain 2012
BT –Strain
RT –Axial compression
–Axial loads
–Axial shear
–Axial stress
–Axial tension
Modulus of elasticity
Normal strain
–Strain gages
Strain measurement
Strain rate
Stress-strain curves

Axial stress 2012
BT –Stress
NT Biaxial stress
Triaxial stress
RT –Axial compression
–Axial loads
–Axial shear
Axial strain
–Axial tension
Modulus of elasticity
Normal stress
Stress-strain curves
Tensile stress

Axial tension 2012
BT –Tension
NT Biaxial tension
Triaxial tension
RT –Axial loads
–Axial shear
Axial strain
–Axial stress
–Strain
–Stress
–Tensile strength
Tensile stress
Tension tests

Aythya affinis
USE Lesser scaup duck

Aythya americana
USE Redhead duck

Aythya collaris
USE Ring-necked duck

Aythya marila
USE Greater scaup duck

Aythya valisineria
USE Canvasback duck

Azimuth 1407
RT Alinement
Angles (geometry)
Navigation
Orientation
–Plane surveying
Position finding
–Surveying

Azonal 0807
BT –Soil types
NT Alluvium
RT Dunes
Dune sands
–Soil horizons

Azotobacter 0613
BT –Aerobic bacteria
–Bacteria
–Microorganisms
–Nitrogen fixing bacteria
–Plants (botany)
RT –Aquatic bacteria
Nitrogen fixation
–Soil bacteria

B

Backfills 0813
BT –Fills
RT –Earthfill
Earthmoving
–Earthworks
–Excavation
Flexible foundations
–Foundations
Landfills
Overexcavation
Pipe bedding
Pipe cover
Pipe laying
–Placing
–Retaining walls
–Rigid foundations
Rock fills
–Rocks
Rolled fills
–Soils
–Trenches

Background radiation 1711
BT –Radiation
RT Radioactivity
Radioecology
–Radioisotopes
Radiosensitivity

Back pressure 2004
BT –Pressure
RT –Hydraulic gates
–Hydraulic valves

Backwater 0808
RT Backwater profiles
Converging flow
–Dams
–Floods
Flow profiles
–Reservoirs
Reservoir surveys
Sewers
–Streams
Tributaries
–Water levels
–Water surface profiles

Backwater profiles 0808
BT –Profiles
–Water surface profiles

Backwater profiles (Con.)
RT Backwater
Control structures
Design flow
Energy gradient
—Flow control
Flow profiles
Hydraulic gradient
Hydraulic jump
Open channel flow
—Reservoirs
—River regulation
—Rivers
Spillway capacity
Spillway design flood
Spillway profiles
—Streamflow
Streamflow regulation
Water surface

Bacteria 0613
BT —Microorganisms
—Parasites
—Plants (botany)
NT Acid bacteria
Actinomycetes
—Aerobic bacteria
—Anaerobic bacteria
—Aquatic bacteria
Azotobacter
Beggiatoa
Clostridium
—Coliforms
E. coli
—Enteric bacteria
Ferrobacillus
—Iron bacteria
Lactobacillus
Marine bacteria
Methane bacteria
Mycobacterium
Myxobacteria
—Nitrogen fixing bacteria
Pathogenic bacteria
Photosynthetic bacteria
Pseudomonas
Salmonella
Sewage bacteria
Shigella
—Soil bacteria
Sphaerotilus
Streptococcus
—Sulfate reducing bacteria
Thermophilic bacteria
Thiobacillus ferrooxidans
RT —Algae
Aquatic microbiology
—Aquatic microorganisms
Bactericides
Bacteriophage
Bioindicators
Cultures
—Fungi
—Microbiology
—Phytoplankton
—Plant diseases
Spores
Waste stabilization ponds

Bactericides 0606
UF Germicides
BT —Chemicals
—Pesticides
—Poisons
RT Antibiotics (pesticides)
—Bacteria
Medicine
Wood preservatives (pesticides)

Bacteriophage 0613
BT —Microorganisms
—Viruses
RT —Bacteria
Biocontrol
Water pollution sources

Bacteriophage typing
USE Systematics

Baffle piers 1313.1
BT —Piers
RT Attenuators
Baffles
Bifurcations
—Damping
—Deflectors
Diffusers
—Energy dissipation
—Flow control
—Fluid mechanics
Spillway piers
Stilling basins

Baffle plates 1313.1
BT —Plates
RT Attenuators
Baffles
—Damping
—Deflectors
Diffusers
—Flow control
Flow deflectors
—Fluid mechanics

Baffles 1313.5
RT Attenuation
Attenuators
Baffle piers
Baffle plates
Chute blocks
—Concrete structures
—Damping
Deflection
—Deflectors
Dentated sills
Diffusers
—Diffusion
Ducts
Energy dissipators
—Flow
—Fluid flow
—Gravity irrigation
Louvers
—Regulation
—Shielding
Sieves
Wave suppressors

Bahiagrass 0603.1
UF Paspalum notatum
BT —Agronomic crops
—Crops
—Field crops
—Forage grasses
—Forages
—Grasses
—Monocots
—Plants (botany)

Bailey bridges 1313.5
BT —Bridges (structures)
—Engineering structures
RT Bridge design
Highway bridges
—Structural design
Truss bridges

Bait fishing 0511
BT —Fishing
RT Baits
Cold-water fishing
Commercial fishing
Fishing gear
Fly fishing
—Freshwater fish
Ice fishing
Lake fisheries
Minnows
—Pan fish
Reservoir fisheries
Sport fishing
Stream fisheries
Warm-water fishing

Baits 0606
RT —Attractants
Bait fishing
Bait traps
Bloodworms
—Fishing
Fishing gear
Minnows
Selectivity

Bait traps 0606
RT Baits
Trapping

Balance (energy)
USE Energy balance

Balance (water)
USE Water balance

Balance of nature 0606
UF Ecological balance
RT —Biology
Cycling nutrients
—Ecology
Energy balance
—Energy budget
—Environmental effects
Food chains
Food pyramids
Integrated control measures
—Life cycles
Life expectancy
Limiting factors
—Movement
Niches
Persistence
—Pesticides
Pesticide toxicity
—Population
Radioactivity effects
Secondary productivity
Selectivity
—Succession
Trophic level
—Wildlife
—Wildlife conservation

Ballistics 1904
RT Aerodynamics
—Drag
—Dynamics
Gravity
Motion

Ball mills 1309
BT —Grinders
—Industrial plants
—Mills
RT —Cements
Crushing
Grinding
Mineral industry
Ores
Rod mills

Balloons 0103
BT —Instrumentation
RT Weather data
Weather forecasting
Weather patterns

Balsam fir trees 0206 0603.1
UF Abies balsamea
BT —Coniferous trees
—Conifers
—Fir trees
—Gymnosperms
—Plants (botany)
—Trees

Banding
USE Marking techniques

Bank cutting
USE Bank erosion

Bank erosion 0808
UF Bank cutting
BT —Erosion
RT Accretion (legal aspects)
Avulsion
Banks
Bank stability
Bank stabilization
Beaching
Boundaries (property)
Boundary disputes
Canal embankments
Channel erosion
Earth-lined canals
Earth linings
—Lined canals
Revetments
River currents
River training
—Sedimentation
Sediment production
—Slopes
Soil erosion
Stream erosion
Stream valley
Vegetation effects

Bank protection 1302
UF River bank protection
Stream bank protection
RT —Anchors
Banks
Bank stability
Bank stabilization
Burrows
Channel design
Channel protection
—Erosion control
Gabions
Mattresses
Revetments
Riprap
Roadbanks
Seeding
Shore protection
Slope protection
Soil erosion
Stable channels
Stream channels
—Vegetation establishment
—Warning systems
—Weed control

Banks 1302
RT Bank erosion
Bank protection
Bank stability
Bank storage
Channel beds
Channel erosion
Channel morphology
—Channels
—Embankments
High water mark
Low water mark
Mattresses
Meanders
Overtopping
Phreatic lines
Reefs
Regime
Revetments
Riparian land
Riparian plants
—Riparian rights
Riparian water loss
Riprap
River beds
—Rivers
Roadbanks
—Seepage
Shore protection
—Slopes
—Streambeds
Stream meandering
—Streams
Washouts
Water surface

Bank stability 0813
BT —Stability
RT Aprons
Bank erosion
Bank protection
Banks
Bank stabilization
Burrows
Channel improvements
—Erosion control
Roadbanks
—Slopes
—Slope stability
—Soil properties
—Soils
Soil stability
Soil stabilization
—Stability analysis
Washouts

Bank stabilization 1302
BT —Stabilization
RT Bank erosion
Bank protection
Bank stability
Revetments
Riprap
River training
Roadbanks
Slope stabilization
Soil stabilization
Stream meandering
Stream stabilization
—Vegetation establishment

Bank storage 0808.1
BT —Storage
—Water storage
RT Banks
Base flow
—Floods
—Groundwater
Groundwater flow
Influent streams
Soil water storage
—Streams
Surface-groundwater relationships

Bank storage (Con.)
—Surface waters
—Water levels
—Water table

Bare bottom stage
USE Pioneer stage

Barges 1310
RT —Boats
Canal design
Locks (waterways)
Water transportation
—Waterways

Bar graphs 0501
BT —Charts
RT Arrow diagrams
Computer programming
Flow charts

Barium 0702
BT —Alkaline earth metals
—Chemical elements
—Metals
RT Magnesium

Bark 0603.1
BT —Plant tissues
—Vascular tissues
RT Fibers (plant)
Phloem
—Trees
Wood wastes

Barley 0204
UF Hordeum vulgare
BT —Agronomic crops
—Cereal crops
—Crops
—Field crops
—Grasses
—Monocots
—Plants (botany)
RT Grains (crops)

Barometers 1402
BT —Equipment
—Gages
—Instrumentation
—Measuring instruments
—Meteorological instruments
—Pressure gages
—Pressure measuring instruments
—Test equipment
RT Altimeters
Atmospheric pressure
Manometers

Barometric efficiency 0808.1
BT —Efficiencies
RT —Aquifers
Atmospheric pressure
Compressibility
Elasticity (mechanical)
—Water table
—Water wells

Barometric pressure
USE Atmospheric pressure

Barriers 1313.1
NT —Debris barriers
Fish barriers
Groundwater barriers
Salt water barriers
Trashracks
RT Breakwaters
Check dams
—Check structures
—Closures
—Concrete structures
Constrictions
—Dams
Dikes
Diversion structures
—Earth dams
Ecological distribution
Gabions
—Gates
Impervious blankets
Impervious linings
Impervious membranes
Levees
Limiting factors
Locks (waterways)
Obstruction to flow
—Retaining walls
—Seals (stoppers)
Sea walls
—Walls

Barriers (debris)
USE Debris barriers

Barriers (salt water)
USE Salt water barriers

Barriers (sea water)
USE Salt water barriers

Barrows goldeneye duck 0603.2
UF Bucephala islandica
Goldeneye duck (barrows)
BT —Animals
—Aquatic life
—Birds
—Ducks (wild)
—Migratory birds
—Waterfowl
—Wildlife

Bars 1106
NT Deformed bars
RT Cold-rolled steel
Dowels
Extrusions
Mesh reinforcement
—Reinforcement
—Reinforcing steels
—Rods
—Steel plates
Steel structures
Stirrups
Structural shapes
—Wire

Bars (sand)
USE Sand bars

Basalt 0807
BT —Basic rocks
—Crystalline rocks
—Igneous rocks
—Rocks
—Volcanic rocks
RT Andesite
Diabase
Gabbro
Lava
Rhyolite

Bascule bridges 1313.5
BT —Bridges (structures)
—Engineering structures
RT Bridge design
—Girders
Highway bridges
Railroad bridges
—Structural design

Base courses 1302.4
RT California bearing ratio
—Construction materials
Highway engineering
—Highways
—Pavements
Railroads
Road construction
Road design
—Roads
Runways
Seal coat
Selected materials
Streets
Subbase
Subgrade

Base exchange
USE Cation exchange

Base flow 0808
UF Base runoff
BT —Flow
—Fluid flow
—Movement
—Porous media flow
RT Bank storage
Effluent streams
—Groundwater
Groundwater flow
Groundwater movement
—Hydrographs
Low flow
Rainfall-runoff relationships
—Runoff
Surface-groundwater relationships
—Water levels
—Water table

Baselines 0802
RT Cadastral surveys
—Plane surveying
Ranges (distance)
—Surveying
—Surveys

Base loads 0903
RT —Electric power
Peaking capacities
Peak loads (electric)
Peak power

Base runoff
USE Base flow

Bases (chemical)
USE Alkalis (bases)

Basic research 1406
BT —Research and development
RT Applied research
Foreign research
—Investigations
—Sciences
Technology

Basic rocks 0807
BT —Crystalline rocks
—Igneous rocks
—Rocks
NT Basalt
Diabase
Gabbro
RT —Acidic rocks
—Intermediate rocks
—Plutonic rocks
Ultrabasic rocks
—Volcanic rocks

Basins 0808
Use of a more specific term is recommended
BT —Land forms
NT Closed basins
Drainage basins
Lake basins
Sedimentary basins (geological)
—Settling basins
Spreading basins
Stilling basins
RT Catchments
Cirques
Depression
Groundwater basins
Lagoons (landforms)
Pit recharge
Reservoir sites
River basins
Stream valley
Structural geology
—Tanks (containers)
—Watersheds (basins)

Basin-wide development
USE River basin development

Bass 0603.2
UF Largemouth bass
Micropterus species
Redeye bass
Smallmouth bass
Spotted bass
Suwannee bass
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Freshwater fish
—Pan fish
—Sunfishes
—Wildlife
RT Roanoke bass
Rock bass
—Sea basses
Sport fish
White bass
Yellow bass

Batching 1308
RT Batch processing (data)
Concrete mixes
—Concrete placing
—Concretes
Mixing
—Processing

Batch processing (data) 0902
BT —Processing
RT —Application methods
Batching
Computation
—Computer programs
—Computers
—Data processing

Bathymetry 0810
RT Bathythermographs
Contours
Deep water
Depth
Hydrography
Lake morphometry
—Measurement
Navigation
Sounding
—Surveying
—Surveys

Bathythermographs 0810
UF BT
BT —Instrumentation
RT Bathymetry
Depth
Water temperature

Batteries (storage)
USE Electric batteries

Batter piles 1313.6
BT —Piles (foundations)
RT Bearing piles
—Concrete piles
—Foundations
Friction piles
Pile bearing capacities
—Pile driving
Pile foundations
Pile groups
Pile lateral loads
Pile spacing
Steel piles
Wooden piles

Batture
USE Beds

Bayous 0806
BT —Bodies of water
—Land forms
RT Deltas
—Lakes
—Streams
Tributaries

Bays (structural) 1313.5
RT —Bridges (structures)
—Buildings
—Loads (forces)
—Structural design
—Trusses

Bays (topographic features) 0806
UF Embayments
BT —Bodies of water
—Land forms
RT Estuaries
Gulfs
Inlets (waterways)
Oceans

Beach erosion 0803
UF Shore erosion
BT —Erosion
RT —Beaches
Beaching
Breakwaters
Coastal engineering
Lake shores
Ocean beaches
—Ocean waves
Shore protection
Soil erosion
Tidal effects
Wave action
Wave run-up
—Waves (water)

Beaches 0810
BT —Land forms
NT Ocean beaches
RT Beach erosion
Beaching
Beach sands
Berms
Coasts
Deposition
Dunes

Beaches (Con.)
Geomorphology
Intertidal areas
–Islands
Lagoons (landforms)
Lake morphology
Lake shores
Littoral drift
Littoral materials
Littoral zone
Marine clays
–Recreation
–Recreation facilities
–Regions
Sand bars
–Sands
–Shores
Surf
Terrain
Wave run-up

Beaching 0803
RT Bank erosion
Beach erosion
–Beaches
Bores (wave)
Dam facings
Slope protection
–Slopes
Wave action
Wave run-up
–Waves

Beach sands 0807
BT –Earth materials
–Granular materials
–Materials
–Sands
–Soils
–Soil types
RT –Beaches
Dune sands
–Erosion
Lake shores
Ocean beaches
Sand bars

Beams (channel)
USE Structural shapes

Beams (electron)
USE Electron beams

Beams (structural) 1313.5
BT –Structural members
NT Box beams
Composite beams
Continuous beams
Deep beams
Hybrid beams
Web beams
RT Bending moments
Bents (structural)
Columns
Compression members
–Construction materials
–Engineering structures
Flexural strength
–Footings
–Foundations
–Frames
–Girders
Plate girders
Roof supports
Spans
Stirrups
Structural concrete
–Structural design
Structural shapes
Structural steel
–Supports

Beams (web)
USE Web beams

Beans 0204
(excludes soybeans)
UF Phaseolus vulgaris
BT –Crops
–Dicots
–Field crops
–Horticultural crops
–Legumes
–Plants (botany)
–Vegetable crops
RT Soybeans

Bearing capacity 0813
UF Bearing capacity (load)
Bearing capacity (ultimate)
NT Pile bearing capacities
RT Bearing pressure
Bearing strength
Bearing values
Belled footings
Design strength
Dynamic stability
Foundation bearing tests
Foundation failure
–Foundations
Loading tests
Penetration resistance
–Piles (foundations)
Rock competency
Rock foundations
Soil compression tests
–Stability
Strength of materials
Test piles
Trafficability
Underwater foundations

Bearing capacity (load)
USE Bearing capacity

Bearing capacity (ultimate)
USE Bearing capacity

Bearing pads 1313.5
RT Bearing pressure
Bearing strength
–Bridges (structures)

Bearing piles 1313.6
BT –Piles (foundations)
RT Batter piles
Bearing pressure
Bored piles
Cast-in-place piles
–Concrete piles
–Foundations
Friction piles
Pile bearing capacities
–Pile driving
Pile foundations
Pile spacing
Steel piles
Wooden piles

Bearing pressure 2012
BT –Pressure
RT –Bearing capacity
Bearing pads
Bearing piles
–Bearings
Bearing strength
Bearing values
Bushings
–Footings
Foundation bearing tests
–Foundations
Journal bearings
Lubrication
Pressure distribution
Roller bearings
Thrust bearings

Bearings 1309
NT Journal bearings
Roller bearings
Thrust bearings
RT –Alloys
Bearing pressure
Bronzes
Bushings
–Friction
Housings
Lubricants
Lubrication
Orientation
Position finding
Power transmission (mechanical)
–Shafts (machinery)
–Supports
–Tin alloys
–Wheels
–Zinc alloys

Bearing strength 2012
BT –Mechanical properties
–Strength
RT –Bearing capacity
Bearing pads
Bearing pressure
California bearing ratio
Cohesion
Cohesive strength
Compressibility
Compressive strength
Design strength
Foundation bearing tests
Foundation failure
–Physical properties
Pile bearing capacities
Rock competency
Rock foundations
–Shear
Shear strength
–Soil physical properties
–Stability
Strength of materials

Bearing values 1313.6
RT –Bearing capacity
Bearing pressure
California bearing ratio
Flexible foundations
Foundation bearing tests
–Foundations
Pile bearing capacities
–Rigid foundations
Underwater foundations

Beautification 0506
NT Highway beautification
RT Aesthetics
Architects
Architecture
Arts
Building design
–Buildings
Ground cover
Landscaping
Lighting

Beavers 0603.2
BT –Animals
–Furbearers
–Mammals
–Rodents
–Small animals (mammals)
–Wildlife

Bedding (geology)
USE Beds (geology)

Bedding materials 1107
BT –Construction materials
–Materials
RT Borrow materials
Concrete-lined canals
Concrete pipes
Crushed stone
Gravel blankets
Pea gravel
Pipe bedding
Pipe cradles
Pipe laying
–Pipes
–Placing
Riprap
–Sands
Selected materials
Soil cement

Bedding planes
USE Beds (geology)

Bed load 0808
BT –Sediment load
–Sediments
RT Bed ripples
Critical tractive force
Deltas
Reservoir silting
Saltation
Sand waves
Scour
–Sedimentation
–Sediment deposits
Sediment samplers
–Sediment transport
Stable channels
–Streambeds
Stream erosion
–Streams
Suspended sediments
Suspended solids
–Tractive forces
Turbulence
Turbulent flow

Bedload movement 0808
RT Aggradation
Bed movements
Bed ripples
–Flooding
–Gradients
–Sediment transport
Suspended sediments
Turbidity

Bed movements 0808
RT Aggradation
Bedload movement
Bed ripples
Channel beds
–Currents (water)
–Gradients
–Sediments
–Sediment transport
–Streambeds
Stream channels
Stream meandering
Stream stabilization
Suspended sediments
–Velocity

Bed ripples 0808
RT Bed load
Bedload movement
Bed movements
Bed roughness
Beds under water
Channel beds
Streambed profiles
–Streambeds
–Velocity

Bedrock 0807
BT –Geologic formations
–In situ rock
–Rocks
RT –Aquifers
Beds (geology)
Bridge foundations
–Exploration
Foundation rocks
–Foundations
Geologic control
–Geology
Groundwater barriers
Outcrops
Overburden
Stratigraphy
Streambed profiles
Strip aquifers
Structural geology

Bed roughness 0808
BT –Roughness
RT Bed ripples
Friction coefficient (hydraulic)
Roughness (hydraulic)
Roughness coefficient
–Sediments
–Streambeds

Beds 0808
(bottom of any body of water)
UF Batture
Submerged lands
NT Beds under water
Channel beds
Dry beds
Lake beds
River beds
–Streambeds
RT Bottom sediments
Channel erosion
Channel morphology
–Channels
Critical tractive force
Graded
Meanders
Ownership of beds
Regime
Riparian water loss
Roughness (hydraulic)
Thalweg
Varves

Beds (geology) 0807
UF Bedding (geology)
Bedding planes
BT –In situ rock
RT Bedrock
–Consolidation
–Erosion
–Geologic formations
–Geologic investigations
–Geology
–Rocks
–Sedimentary rocks
–Sedimentary structures
–Sediments
Strata

Beds (geology) (Con.)
Stratigraphy
Streambed profiles
Structural geology

Beds under water 0808
BT –Beds
RT Bed ripples
Lake beds
Ownership of beds
River beds
–Streambeds

Beggiatoa 0613
BT –Aerobic bacteria
–Anaerobic bacteria
–Aquatic bacteria
–Aquatic life
–Aquatic microorganisms
–Aquatic plants
–Bacteria
–Microorganisms
–Nannoplankton
–Phytoplankton
–Plankton
–Plants (botany)
–Seston
–Sulfate reducing bacteria
RT Marine bacteria

Behavior 0510 1407
NT –Animal behavior
Fish behavior
Human behavior
Insect behavior
Social behavior
Structural behavior
Thermodynamic behavior
RT Competition
–Ecology
–Environments
–Habitats
–Materials tests
Performance
–Properties
–Psychology
–Sociology

Behavior (human)
USE Human behavior

Behavior (structural)
USE Structural behavior

Beidellite 0807
BT –Clay minerals
–Minerals
–Montmorillonite
–Silicates
RT Bentonite

Belled anchors 1313.6
BT –Anchors
RT Anchored bulkheads
Anchored towers
Auger-type footings
Belled footings
–Footings
–Foundations
Pressed plate footings
Pull-out tests
–Pull tests
Uplift footings
Uplift resistance

Belled footings 1313.6
BT –Footings
–Foundations
RT Anchored towers
–Anchors
Auger-type footings
–Bearing capacity
Belled anchors
Grillage footings
Pressed plate footings
Pull-out tests
Uplift footings
Uplift resistance

Bellmouths 1313.1 1313.3
BT –Entrances (fluid flow)
RT –Bulkheads
–Closed conduits
Discharge coefficients
Head losses
–Intakes
–Outlet works
Pipe fittings
Pipe joints
Pressure distribution
Rectangular conduits
–Spillways

Bell piers 1313.5
BT –Piers
RT Bridge piers
–Bridges (structures)
Caissons
–Footings
–Foundations
Pile foundations
–Piles (foundations)

Belt conveyors 1303
BT –Conveyors
–Equipment
–Materials handling equipment
RT Concrete plants
–Construction equipment
Conveyances
–Earth handling equipment
Materials handling

Benard cells 2013
RT Convection

Bench leveling 0203.1
BT –Land forming
RT Irrigation engineering

Bench marks 0802 1302
RT Elevation
Field control
–Mapping
Monuments
–Plane surveying
Sea level
Second order surveys
–Surveying
–Surveys

Bending 1407
RT Bending moments
Bending stress
–Bends (hydraulic)
Buckling
Camber
Deflection
–Deformation
Distortion (structural)
Eccentric loading
Flexibility
Flexural strength
–Heaving
–Moments
Sagging
Twisting

Bending moments 2011
BT –Moments
RT –Beams (structural)
Bending
Bending stress
Deflection
Eccentric loading
Flexural strength
–Loads (forces)
Moment distribution
Moments of inertia
Stress analysis
Twisting
Twisting stress

Bending stress 2012
BT –Stress
RT Bending
Bending moments
Buckling
Eccentric loading
Flexural strength
Stress analysis
Twisting
Twisting stress

Bends (hydraulic) 2004
NT Pipe bends
RT Bending
–Canals
–Channels
–Closed conduit flow
Concrete pipes
Hydraulic conduits
–Hydraulic models
–Hydraulic structures
Open channel flow
Penstocks
Shaft spillways
Steel pipes
Tunnel design

Beneficial purpose
USE Reasonable use

Beneficial use 0504.1
RT Appropriation (water rights)
Consumptive use (water)
Domestic water
Flood plain zoning
Hydraulic mining water
–Industrial water
–Irrigation water
Municipal water
Non-consumptive use
Preferences (water rights)
–Prior appropriation
–Recreation
Stock water

Beneficiation 1308
BT –Separation techniques
NT Heavy media separation
RT –Aggregates
Concentration
–Extraction
Filtration
–Flotation
Foaming
Froth flotation
Grinding
Leaching
–Minerals
Mining engineering
Ores
–Processing
Purification
Screening
–Separation

Benefit-cost analysis 0503 1314
UF Cost-benefit analysis
BT –Analysis
–Cost analysis
RT Annual equivalent benefits
Annual equivalent costs
Benefit-cost ratios
Benefit-cost theory
–Benefits
Construction costs
–Cost allocation
Cost comparisons
Cost repayment
–Costs
Cost sharing
Economic feasibility
–Economics
Engineering economy
Estimated costs
–Feasibility
Feasibility studies
Project benefits
Project feasibility
Project planning

Benefit-cost ratios 0503 1314
UF Cost-benefit ratios
RT Annual equivalent benefits
Annual equivalent costs
Benefit-cost analysis
Benefit-cost theory
–Benefits
Construction costs
–Costs
Economic feasibility
Economic justification
–Economics
Engineering economy
Feasibility studies
Project feasibility
Project planning

Benefit-cost theory 0503 1314
UF Cost-benefit theory
RT Benefit-cost analysis
Benefit-cost ratios
–Benefits
Construction costs
Cost repayment
–Costs
Engineering economy

Benefits 0501 0503
NT Annual benefits
Annual equivalent benefits
Comparative benefits
Deferred benefits
Direct benefits
Estimated benefits
Fringe benefits
Implied benefits
Indirect benefits
Induced benefits
Intangible benefits
Lagged benefits
Manual benefits
Marginal benefits
Monetary benefits
Non-reimbursable benefits
Project benefits
Public benefits
Real benefits
Tangible benefits
RT Benefit-cost analysis
Benefit-cost ratios
Benefit-cost theory
Benefit sharing
Compensation
–Contracts
Diseconomies of scale
Economic efficiency
–Economics
Economies of scale
Engineering economy
Financial analysis
–Income
Labor unions
–Profit
Project planning
–Recreation
Return to scale
Wages

Benefit sharing 0501 0503
RT –Benefits
Intangible benefits
Non-reimbursable benefits
Personnel management

Benthic fauna 0603.2
UF Bottom fauna
BT –Animals
–Aquatic animals
–Aquatic life
–Benthos
NT Clams
Desmersal fishes
Mussels
–Oligochaetes
Oysters
Sludge worms
Tubificids
RT Animal groupings
–Annelids
–Aquatic microorganisms
Bloodworms
Caddisflies
–Diptera
–Marine animals
Mayflies
Ocean bottom
Snails

Benthic flora 0603.1
UF Bottom flora
BT –Aquatic life
–Aquatic plants
–Benthos
–Plants (botany)
RT –Aquatic algae
–Aquatic microorganisms
Marine algae
–Marine plants
Ocean bottom
Plant groupings

Benthos 0603 0801
UF Bottom organisms
Epibenthic biota
Macrobenthos
BT –Aquatic life
NT –Benthic fauna
Benthic flora
Clams
Desmersal fishes
Mussels
–Oligochaetes
Oysters
Sludge worms
Tubificids
RT –Animals
–Aquatic algae
–Aquatic animals
–Aquatic microorganisms
Aquatic productivity
Biota
Littoral zone
Marine algae
–Marine animals
–Marine plants

Benthos (Con.)
Ocean bottom
—Plants (botany)
Underwater

Bentonite 0807
BT —Clay minerals
—Clays
—Earth materials
—Expansive clays
—Expansive soils
—Finegrained soils
—Materials
—Silicates
—Soils
—Soil types
RT Beidellite
Drilling fluids
—Montmorillonite
Slurries

Bents (structural) 1313.5
RT —Beams (structural)
—Buildings
Columns
Compression members
—Frames
—Girders
Skewed structures
—Structural design
—Trestles
—Trusses
Wind bracing
Wooden trestles

Benzene 0703
BT —Aromatic compounds
—Chemical compounds
—Hydrocarbons
—Organic compounds
RT Aromatic solvents

Berms 0806
RT —Beaches
Dam design
—Embankments
Geomorphology
—Highways
—Roads
—Slopes
Terraces (geological)
—Waves (water)

Bermudagrass 0603.1
UF Cynodon dactylon
BT —Grasses
—Monocots
—Plants (botany)
RT —Forage grasses
—Turf grasses
—Weeds

Bernoulli equation
USE Energy equation

Beta particles 2008
UF Beta radiation
Radiation (beta)
BT —Radiation
—Transport phenomena
RT Cosmic rays
Electron beams
Electrons
Neutrons
Radioactive decay
Radioactivity
—Radioisotopes

Beta radiation
USE Beta particles

Beta saccharifera
USE Sugar beets

Betula species
USE Birch trees

B horizon 0807
BT —Soil horizons
RT A horizon
C horizon
Land classification
Soil profiles

Biaxial compression 2012
BT —Axial compression
—Compression
RT Biaxial loads
Biaxial stress
—Compression tests
Compressive strength
Compressive stress
Soil compression tests
Triaxial compression

Biaxial loads 2011
BT —Axial loads
—Loads (forces)
RT Biaxial compression
Biaxial shear
Biaxial stress
Biaxial tension
Total loads
Triaxial loads

Biaxial shear 2012
BT —Axial shear
—Shear
RT Biaxial loads
Biaxial stress
Shear distribution
Shear forces
Shear strength
—Shear tests
Triaxial shear

Biaxial stress 2012
BT —Axial stress
—Stress
RT Biaxial compression
Biaxial loads
Biaxial shear
Biaxial tension
Normal stress
Triaxial stress

Biaxial tension 2012
BT —Axial tension
—Tension
RT Biaxial loads
Biaxial stress
—Tensile strength
Triaxial tension

Bibliographies 0502
RT Abstracts
—Documentation
Editing
Indexes (documentation)
Information retrieval
Libraries
Publications
Reviews
Technical papers
—Technical writing

Bicarbonates 0702
BT —Chemical compounds
—Chemicals
RT —Alkalis (bases)
—Carbonates

Bids 0501
BT —Contract administration
RT Competitive bidding
Contracting
—Contracts
—Cost analysis
—Costs
Engineers estimates
Grants
Negotiations
Purchasing
Unit costs

Bifurcations 1311.1 1313.3
BT —Branches
RT Baffle piers
—Canals
—Hydraulic structures
Junctions
Penstocks
—Pipelines
Small structures
Trifurcations
Wye branches

Big game 0603.2
BT —Animals
—Mammals
—Wildlife
NT Deer
Peccary
RT Fish and wildlife
Hunting

Binary systems (digital)
USE Digital systems

Binders 1107
RT Adhesives
—Admixtures
Bituminous concretes
—Clays
Cohesion
—Construction materials
Earth-lined canals
Earth linings
Paving
—Resins
—Sealants
Sealing compounds

Bins 1304
BT —Containers
RT Cellular structures
Cribbing
External friction
Hoppers
—Retaining walls
Silos
—Storage
—Vessels
—Walls

Bioassay 0601
BT —Analytical techniques
—Assay
RT Bioindicators
—Biology
—Chemical analysis
Laboratory animals
Pesticide residues
Pollutant identification
Soil analysis
—Toxicity
Water analysis
Water pollution sources

Biochemical oxygen demand
0603.1 1302.1
UF Biological oxygen demand
B.O.D.
BT —Oxygen demand
RT Anaerobic processes
—Biological properties
Chemical oxygen demand
Chlorination
Dissolved oxygen
—Indicators
—Metabolism
—Organic matter
—Oxygen
Oxygen sag
Self-purification
Stream pollution
Waste assimilative capacity
Water analysis
—Water pollution
Water properties
—Water quality

Biochemistry 0601
UF Physiochemistry
RT —Animal physiology
—Biological properties
—Biology
Bioluminescence
—Carbohydrates
Carbon cycle
—Chemical properties
—Chemistry
Energy conversion
Enzymes
Inhibitors
—Metabolism
Photoactivation
Photosynthesis
—Pigments
Plant growth regulators
Plant growth substances
Plant physiology
—Proteins
—Vitamins

Biocontrol 0606
UF Biological control
BT —Control
RT —Application methods
Bacteriophage
Biological treatment
—Biology
Insect control
Integrated control measures
Parasitism
—Pest control
—Physical control
Plant growth substances
—Viruses

Biodegradation 1113
UF Biological degradation
BT —Decomposition
—Degradation
—Degradation (decomposition)
NT Anaerobic digestion
Sludge digestion
RT Activated sludge
—Anaerobic bacteria
Anaerobic conditions
Anaerobic processes
Aquatic microbiology
Biological treatment
—Biology
—Chemical degradation
—Chemical reactions
—Digestion
—Disposal
Linear alkylate sulfonates
Liquid wastes
Mode of action
Oxidation lagoons
Sewage sludge
—Sewage treatment
Sludge treatment
Soil disposal fields
Soil microbiology
—Solid wastes
—Treatment
Waste assimilative capacity
Water pollution treatment

Bio-energetics
USE Energy budget

Biogeography 0806
BT —Geography
RT —Biomes
Ecological distribution

Biographies 0502
RT History
Publications

Bioindicators 0601
UF Indicator bacteria
BT —Indicators
RT —Analytical techniques
—Bacteria
Bioassay
—Biology
Mayflies
Pesticide residues
Phytotoxicity
Soil analysis
Water analysis
—Water quality

Biological communities 0606
UF Communities (biological)
Synecology
NT Dominant organisms
—Ecotypes
RT —Biology
Ecological distribution
—Ecosystems
Environmental gradient
Food chains
—Habitats
—Limnology
Niches
—Succession
Zoology

Biological control
USE Biocontrol

Biological degradation
USE Biodegradation

Biological membranes 0616
BT —Membranes
RT —Absorption
—Biology
—Filters
—Ion exchange
—Ion transport

Biological oxygen demand
USE Biochemical oxygen demand

Biological properties 0603
BT —Properties
NT Bioluminescence
Cold resistance
Heat resistance (biological)
RT Biochemical oxygen demand

Biological properties (Con.)
Biochemistry
–Biology
–Chemical properties
Color
Eutrophication
–Fluorescence
Forage palatability
–Limnology
Microenvironment
Odor
–Organoleptic properties
Physicochemical properties
–Resistance
–Soil properties
Soil stability
Taste
Waste identification
Water properties

Biological treatment 0602
BT –Treatment
RT Activated sludge
Biocontrol
–Biodegradation
–Biology
–Sewage treatment
Sludge treatment
–Water purification

Biological uptake
USE Absorption

Biological warfare 1502
UF Warfare (biological)
RT –Biology
–Diseases
Military aspects
Water pollution sources

Biology 0603
Use of a more specific term is recommended
BT –Sciences
NT Biophysics
Zoology
RT –Animal behavior
Animal groupings
–Animal physiology
–Animals
–Aquatic environment
Balance of nature
Bioassay
Biochemistry
Biocontrol
–Biodegradation
Bioindicators
–Biological communities
Biological membranes
–Biological properties
Biological treatment
Biological warfare
Biomass
–Biomes
Biorhythms
Biota
Biotrons
–Birds
–Breeding
–Digestion
–Diseases
–Ecology
–Environmental effects
–Environments
–Fish
Fish and wildlife
Food and cover crops
Food chains
Food webs
–Genetics
–Grasses
–Habitats
–Limnology
Medicine
–Metabolism
–Microbiology
–Microorganisms
–Morphology
–Pathology
–Pigments
Plant groupings
–Plant growth
Planting management
Plant morphology
Plant physiology
–Plants (botany)
–Plant tissues
Pollen
–Population
–Productivity
Radioecology
–Reproduction (biology)
Seeds
Sexual maturity
–Soils
Soil-water-plant relationships
–Succession
–Trees
–Tropisms
–Viruses
–Wildlife

Bioluminescence 0601
BT –Biological properties
–Luminescence
RT –Animal physiology
Biochemistry
Energy conversion
–Fluorescence
–Pigments
Plant physiology

Biomass 0603
RT Annual turnover
–Aquatic habitats
–Biology
Harvesting of algae
Number fish per acre
–Plankton
Pounds fish per acre
–Productivity
Standing crop

Biomes 0606
NT Coniferous forests
Deciduous forests
Deserts
–Grasslands
Pasture
Rain forests
Tundra
RT Biogeography
–Biology
–Climate
–Ecology
Environmental gradient
–Habitats
–Limnology
Zoology

Bionomics
USE Ecology

Biophysics 0603
BT –Biology
–Sciences
RT –Physics

Biorhythms 0603
UF Biotic cycles
BT –Ecosystems
RT –Animal behavior
Annual
–Biology
–Cycles
Diel migration
Diurnal
Diurnal distribution
Diurnal variations
–Ecology
–Life cycles
Life expectancy
Life history studies
Monthly
Nocturnal
Period of growth
Phenology
Photoactivation
Photoperiodism
Seasonal
Stomata
Temporal distribution
Thermoperiodism

Biota 0603
Use of a more specific term is recommended
RT –Animals
–Aquatic life
–Benthos
–Biology
Dominant organisms
–Ecotypes
–Microorganisms
–Plankton
–Plants (botany)
–Seston

Biotic cycles
USE Biorhythms

Biotrons 0606
UF Phytotrons
BT –Buildings
–Engineering structures
–Structures
RT –Biology
–Environments

Birch trees 0603.1
UF Betula species
BT –Crops
–Deciduous trees
–Dicots
–Horticultural crops
–Plants (botany)
–Trees

Bird eggs 0603.2
BT –Eggs
–Growth stages
RT Broods
Clutch (biology)
Hatching
Nests

Birds 0603.2
Use of a more specific term is recommended
BT –Animals
NT American widgeon
Barrows goldeneye duck
Black brant
Black duck
Blue goose
Blue-winged teal
Brant
Bufflehead duck
Canada goose
Canvasback duck
Coastal diving ducks
Common eider duck
Common goldeneye duck
Common merganser duck
Common teal
–Ducks (wild)
Emperor goose
European widgeon
Fulvous tree duck
Gadwall duck
Game birds
–Geese (wild)
Greater scaup duck
Green-winged teal
Gulls
Lesser scaup duck
Mallard duck
Mexican duck
–Migratory birds
Mottled ducks
Mute swan
–Non-game birds
Non-migratory birds
Nuisance birds
Oldsquaw duck
Pintail ducks
Poultry
Puddleducks
Redhead duck
Ring-necked duck
Ruddy duck
Shore birds
Shoveler duck
Snow goose
Song birds
Stellers eider duck
–Swans
Trumpeter swan
Wading birds
–Water birds
–Waterfowl
Whistling swan
White-fronted goose
White-winged scoter
Wood duck
RT Animal groupings
Avicides
–Biology
Bird types
Broods
Clutch (biology)
Down (bird)
–Migration
Nests
–Predation
Preservation
–Wildlife

Bird types 0603.2
Use of a more specific term is recommended
RT –Animals
–Birds
Coastal diving ducks
–Ducks (wild)
Game birds
–Migratory birds
–Non-game birds
Non-migratory birds
Nuisance birds
Poultry
Puddleducks
Shore birds
Song birds
Wading birds
–Water birds
–Waterfowl

Bitumens 1107
BT –Hydrocarbons
–Organic compounds
NT –Asphalt cement
–Asphalts
–Bituminous cements
–Bituminous materials
Coal tar
Cutback asphalts
Naptha
Petroleum
RT –Asphalt emulsions
Asphalt membranes
Bituminous concretes
–Coal
Mastics
–Oils
Oil shale
Pitch (materials)
–Resins

Bituminous cements 1303
BT –Bitumens
–Bituminous materials
–Cements
–Hydrocarbons
NT –Asphalt cement
Catalytically blown asphalt
Cutback asphalts
RT –Asphalt emulsions
Asphalt membranes
–Asphalts
Bituminous concretes
Buried membranes
Canal linings
–Linings
Mastics
–Pavements
Paving
–Roads
Roofing materials

Bituminous coal
USE Coal

Bituminous concretes 1303
UF Asphaltic concretes
BT –Bituminous materials
–Concretes
–Construction materials
–Hydrocarbons
RT –Aggregates
–Asphalt cement
Asphalt membranes
Asphalt plants
–Asphalts
Binders
–Bitumens
–Bituminous cements
Canal linings
Catalytically blown asphalt
Cationic asphalt emulsions
Cutback asphalts
–Linings
–Pavements
Paving
Road construction
–Roads

Bituminous materials 1107 1303
BT –Bitumens
–Hydrocarbons
–Organic compounds
NT –Asphalt cement
–Asphalts
–Bituminous cements
Bituminous concretes
Catalytically blown asphalt
Coal tar

Bituminous materials (Con.)
Cutback asphalts
RT —Asphalt emulsions
Asphalt membranes
Asphalt plants
—Building materials
Cationic asphalt emulsions
Coal tar coating
—Fossil fuels
Oil shale
Pitch (materials)
—Resins

Black brant 0603.2
UF Branta nigricans
BT —Animals
—Aquatic life
—Birds
—Geese (wild)
—Migratory birds
—Waterfowl
—Wildlife

Black duck 0603.2
UF Anas rubripes
BT —Animals
—Aquatic life
—Birds
—Ducks (wild)
—Migratory birds
—Waterfowl
—Wildlife

Black grama
USE Grama grasses

Black locust trees 0603.1
UF Robinia pseudoacacia
BT —Crops
—Deciduous trees
—Dicots
—Horticultural crops
—Plants (botany)
—Trees

Blades 1309
RT Fans
Fins
—Hydraulic machinery
—Hydraulic turbines
—Mixers
Propellers
—Pumps
—Pump turbines
—Rotors
Stators
Turbine blades
—Turbines
—Vanes
Water wheels

Blanket grouting 1313.1 1313.6
BT —Grouting
RT —Blankets
Cutoffs
—Foundations
Grout curtains
Grouting pressure
Grout take
Seepage control
Soil stabilization

Blankets 1313.1
NT Gravel blankets
Impervious blankets
—Pervious blankets
Rock blankets
RT Blanket grouting
Earth linings
—Erosion control
—Filters
Flexible linings
Impervious linings
—Placing
Riprap
Seepage control

Blast furnaces 1106
BT —Furnaces
RT Metallurgy
—Metals
—Steel
Steel industries

Blasting 1315
NT Presplit blasting
Smooth wall blasting
RT Abrasive blasting
Charges (explosives)
Cratering
Craters
Detonation
—Drilling
—Excavation
—Explosions
Explosive construction
—Explosive excavation
—Explosives
Fuses (explosions)
—Mining
Muck
Nuclear excavation
Nuclear explosions
Overbreak
Percussion drilling
Quarries
Quarrying
Rapid excavation
Rock breakage
Rock excavation
Rock foundations
Rock mechanics
—Trenches
—Tunnel construction
Tunneling
Underground explosions
Underwater explosions

Blasting (sand)
USE Abrasive blasting

Blasting fuses
USE Fuses (explosions)

Blasts 1904
NT Nuclear explosions
Underground explosions
Underwater explosions
RT Charges (explosives)
Demolition
Detonation
—Explosions
Explosive construction
—Explosive excavation
—Explosives
Impact loads
Nitroglycerin
Nuclear excavation
Overpressure
Presplit blasting
Quarrying
Rock foundations
—Safety
Shear waves
Shock (mechanics)
Shock tests
Shock waves
Smooth wall blasting
Stress waves

Blasts (atomic)
USE Nuclear explosions

Blasts (nuclear)
USE Nuclear explosions

Bleeding (concrete) 1303.1
RT Air entrainment
—Concretes
—Concrete technology
—Curing
Laitance

Blights 0603.1
BT —Diseases
—Plant diseases
RT Epiphytology

Blindcats
USE Catfishes

Blistering 1103
RT —Bubbles
Defects
—Finishes
Painting
—Protective coatings
Scaling

Blizzards 0402
BT —Storms
RT Anticyclones
Gusts
—Snow
Snow removal
Snowstorms
—Wind (meteorology)

Bloodworms 0603.2
BT —Animals
—Invertebrates
RT —Annelids
Baits
—Benthic fauna
—Diptera
Secondary productivity
—Worms

Blotches 0603
BT —Diseases
—Plant diseases
RT Epiphytology

Blowers 1309
RT Conveyances
Cooling systems
Fans
Impellers
Materials handling
Nozzles
Ventilation
Wind tunnels

Blowoff structures 1313.3
BT —Engineering structures
—Hydraulic structures
—Structures
RT —Drains
—Pipelines

Blowouts 1313.1
RT Dam failure
—Erosion
—Floods
Relief wells
Sand boils
Wind erosion

Blueberries 0204
UF Vaccinium species
BT —Crops
—Dicots
—Fruit crops
—Horticultural crops
—Plants (botany)
—Shrubs
—Stone fruits

Blue catfish
USE Catfishes

Bluegills
USE Sunfishes

Blue goose 0603.2
UF Chen caerulescens
BT —Animals
—Aquatic life
—Birds
—Geese (wild)
—Migratory birds
—Waterfowl
—Wildlife

Bluegrasses 0603.1
BT —Crops
—Grasses
—Monocots
—Plants (botany)
NT Kentucky bluegrass
Merion bluegrass
RT —Agronomic crops
—Forage grasses
Hay
—Turf grasses

Blue-green algae
USE Cyanophyta

Blue-joint grass
USE Wheatgrasses

Blue-winged teal 0603.2
UF Anas disorg
Teal (blue-winged)
BT —Animals
—Aquatic life
—Birds
—Ducks (wild)
—Migratory birds
—Waterfowl
—Wildlife

Boating 0511
UF Canoeing
Sailing
BT —Recreation
—Water sports
RT —Boats
Project benefits

Boating regulations 0504
BT —Regulations

Boat-launching ramps 1313.5
RT —Boats
—Engineering structures
—Recreation facilities

Boats 1310
UF Air boats
Canoes
Rowboats
NT Catamarans
RT Barges
Boating
Boat-launching ramps
Hydrofoils
Marinas
Naval architecture
Pontoons
—Ships
—Transportation
Vehicles

B.O.D.
USE Biochemical oxygen demand

Bodies of water 0808
UF Water bodies
NT Acid streams
Afterbays
Alluvial streams
Bayous
Bays (topographic features)
Detention reservoirs
Effluent streams
Ephemeral streams
Equalizing reservoirs
Estuaries
Evaporation reservoirs
Farm ponds
Forebays
Great ponds
Gulfs
Iced lakes
—Impoundments
Influent streams
—Inland waterways
Inlets (waterways)
Intermittent streams
Interstate rivers
—Lakes
Multiple purpose reservoirs
—Navigable waters
Non-navigable waters
—Non-perennial streams
Oceans
Oxidation lagoons
Perennial streams
Playa lakes
—Ponds
—Reservoirs
—Rivers
—Running waters
Sagponds
Saline lakes
—Springs (water)
—Standing waters
Stock ponds
—Streams
Strip mine lakes
—Surface waters
—Thermal springs
Tributaries
Underground streams
Warm springs
Waste stabilization ponds
Wild rivers
RT —Aquatic environment
—Aquatic habitats
—Aquifers
Deep water
Equalizing reservoirs
Harbors
—Marshes
Navigable rivers
Shallow water
—Swamps
Swimming pools
Tidal marshes
Underground streams
—Water
Water sources
Water surface
—Water types

Bodies of water (Con.)
–Water wells
–Wetlands

Bogs 0806
BT –Land forms
NT Peat bog
RT Fen
Humus
–Lakes
–Marshes
Muskeg
Peat
–Swamps
Waterlogged land

Boiler feed water 1301
BT –Feed water
–Industrial water
–Water
RT Boilers
Electrolytes
Heated water
Pre-treatment (water)
–Water quality

Boilers 1301
BT –Equipment
RT Boiler feed water
Chimneys
–Electric powerplants
–Furnaces
–Generators
Heat balance
Heated water
Heaters
Heat exchangers
Heating plants
Pressure vessels
Steam
Steam turbines
Thermal power

Boiling 0704
BT –Vaporization
RT –Bubbles
Effervescence
–Evaporation
–Heating
Preheating
–Processing
–Thermal properties
Volatility

Boils (frost)
USE Frost action

Boils (sand)
USE Sand boils

Bolted joints 1305
BT –Joints (connections)
RT –Bolts
Building codes
Butt joints
Lap joints
Pipe joints
Riveted joints
–Steel plates
Steel structures

Bolts 1305
BT –Fasteners
–Mechanical fasteners
NT Anchor bolts
–Rock bolts
Roof bolts
RT –Anchors
Bolted joints
Butt joints
–Construction materials
–Couplings
Flanges
–Joints (connections)
Plate girders
Screws
Studs
Wrenches

Bonding 1308
(excludes chemical bonds)
RT Adhesion
Adhesives
Bonding strength
Bond tests
–Cements
Cohesion
Cohesive strength
–Concretes
Deformed bars
High-bond reinforcing bars
–Joints (connections)
–Laminates
Pipe wrappings
–Sealants
Seal coat
–Surface properties
–Welding

Bonding strength 2012
BT –Mechanical properties
RT Adhesion
Adhesives
Bonding
Bond tests
Cohesion
High-bond reinforcing bars
Pull-out tests
–Reinforced concrete
Strength of materials

Bond tests 1402
BT –Tests
RT Bonding
Bonding strength
High-bond reinforcing bars
Pull-out tests
Test machines

Border irrigation 0203.1
BT –Distribution systems
–Furrow irrigation
–Gravity irrigation
–Irrigation
–Irrigation systems
–Surface irrigation
RT Edge effect
Flood irrigation
–Furrows

Bored piles 1313.6
BT –Piles (foundations)
RT Bearing piles
Cast-in-place piles
–Concrete piles
–Foundations
–Pile driving
Pile foundations
Pile groups

Borehole cameras 1405
BT –Cameras
–Instrumentation
–Optical instruments
–Photographic equipment
–Recording systems
NT Drill hole TV cameras
RT Boreholes
Drill holes
–Exploration
Foundation investigations
–Geologic investigations
–Inspection
–Logging (recording)
Soil investigations
Subsurface investigations

Borehole geophysics 0807
BT –Geophysics
RT Boreholes
Drill holes
Electrical resistivity
–Exploration
Geophysical logging
–Geophysical prospecting
Geothermal prospecting
–Geothermal studies
–Logging (recording)
Radioactivity
–Resistivity
Subsurface investigations
–Well logging

Boreholes 1302
RT –Augers
–Borehole cameras
Borehole geophysics
Boring
Boring machines
Calyx drills
Cavities
Core drilling
Cores
Drill holes
Drill hole TV cameras
–Drilling
Electrical well logging
–Exploration
Foundation investigations
–Geophysics
Geothermal prospecting
Groundwater geology
–Logging (recording)
Logs
Rotary drilling
Test holes
Test pits
–Wells

Borers (marine)
USE Marine borers

Bores (wave) 0803
BT –Mechanical waves
–Waves
–Waves (water)
RT Beaching
Cavities
Hydraulic transients
Overflow
Standing waves
–Surges
Surge waves
Tidal effects
Tsunamis
Wave action

Boring 1315
RT Auger borings
Boreholes
Core drilling
–Cutting
Drill holes
–Drilling
–Penetration
Rotary drilling
Tunneling

Boring machines 1309
BT –Machine tools
RT –Augers
Boreholes
–Drilling equipment
Jacking
Lathes
Milling machines
Reamers
Rotary drilling
–Tunnel construction
Tunneling
Tunneling machines

Borings 1107
NT Auger borings
RT –Augers
Calyx drills
Cores
Hand augers
Percussion drilling
–Samplers
–Samples
–Sampling
Sounding
Test holes
–Wastes

Boron 0702
BT –Chemical elements
RT Boron compounds

Boron compounds 0702 0703
BT –Chemical compounds
RT Boron
–Salts

Borrow areas 1303 1315
NT Borrow pits
RT Borrow materials
–Construction materials
Dredging
–Earth dams
–Earth materials
Earthmoving
–Earthworks
–Embankments
–Excavation
–Fills
Overhaul
–Pits
Quarries
Selected materials
Soil investigations
Stripping
Test pits

Borrow materials 1303
BT –Construction materials
–Materials
RT Bedding materials
–Borrow areas
Borrow pits
–Canals
–Earth dams
–Earth materials
–Earthworks
–Embankments
–Fills
Overhaul
Pipe bedding
Pit run materials
–Roads
Sand pits
Selected materials
Soil investigations
–Soils

Borrow pits 1303 1315
BT –Borrow areas
RT Borrow materials
Dikes
–Earth dams
–Earth materials
Earthmoving
–Earthworks
–Embankments
–Excavation
–Fills
Gravel pits
Levees
Overhaul
Quarries
Railroads
–Roads
Sand pits
Selected materials

Bottom fauna
USE Benthic fauna

Bottom fish 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Wildlife
RT Animal groupings
Fish types

Bottom flora
USE Benthic flora

Bottom organisms
USE Benthos

Bottom-reflected light 2006
BT –Electromagnetic waves
–Light
–Radiation
RT Ambient light
Light penetration

Bottom sediments 0808
BT –Sediments
RT –Beds
–Clays
Deposition
Mud
–Silts

Botulism 0620
BT –Diseases
–Human diseases
RT Clostridium
Environmental sanitation
–Microbiology
Public health

Boulders 0807
BT –Construction materials
–Earth materials
–Materials
–Rocks
RT Cobbles
Cohesionless soils
Crushed stone
Dam facings
–Glacial deposits
–Gravels
Monoliths
Particle size
Stones

Boulders (glacial)
USE Glacial deposits

Boule flotation 2004
BT –Flotation

Boule flotation (Con.)
RT Air-water interfaces
–Desalination

Boundaries (property) 0504.1
UF Ad medium filum aquae
Metes and bounds
Property boundaries
RT Accretion (legal aspects)
Avulsion
Bank erosion
Boundary disputes
Cadastral surveys
Fences
High water mark
–Islands
–Lakes
Land acquisition
–Legal aspects
Litigation
Low water mark
Navigable rivers
Ownership of beds
–Plane surveying
–Ponds
Right-of-way
–Shores
–Streams

Boundaries (surfaces) 1407
NT Air-earth interfaces
Air-water interfaces
–Earth-water interfaces
Free surfaces
Fronts (atmospheric)
Ice-water interfaces
–Interfaces
–Liquid-gas interfaces
–Liquid-vapor interfaces
Mud-water interfaces
Oil-water interfaces
Rigid boundaries
Saline water-freshwater interfaces
Sediment-water interfaces
RT Aquifer characteristics
–Boundary layer
Boundary processes
Flow nets
Flow resistance
Flow separation
Junctions
Pressure drag
–Profiles
Sea level
–Shear
Shear drag
Soil resistivity
–Surfaces

Boundary conditions 2004
RT –Calculus
Discontinuities
–Fluid flow
–Fluid mechanics
–Hydraulics
Rigid boundaries

Boundary disputes 0504.1
RT Bank erosion
Boundaries (property)
Cadastral surveys
–Legal aspects
Litigation
–Water law
–Water rights

Boundary layer 2004
UF Boundary layer theory
NT Laminar boundary layers
Turbulent boundary layers
RT Adsorbed water
–Boundaries (surfaces)
Boundary shear
Critical tractive force
–Drag
–Films
–Fluid flow
Friction coefficient (hydraulic)
Moody resistance diagrams
Polarization
Reynolds number
Rigid boundaries
Skin friction

Boundary layer theory
USE Boundary layer

Boundary processes 2004
RT Air-earth interfaces
Air-water interfaces
–Boundaries (surfaces)
Convection
–Earth-water interfaces
–Energy transfer
–Evaporation
Fronts (atmospheric)
–Hydraulics
–Interfaces
Mass transfer
Microenvironment
Shear drag

Boundary shear 2004
BT –Shear
RT –Boundary layer
Critical tractive force
Flow distribution
Fluid friction
–Fluid mechanics
Friction coefficient (hydraulic)
–Hydraulics
Laminar boundary layers
Reynolds number
Rigid boundaries
Skin friction
–Tractive forces
Turbulent boundary layers
Turbulent flow

Boundary values 1201
RT –Calculus
–Differential equations
–Envelopes
Fourier analysis
Integrals

Bound water 0808.1
UF Unfree water
BT –Water types
RT –Adsorption
Hygroscopic water

Bouteloua species
USE Grama grasses

Bouyoucos blocks 0808.1
UF Gypsum moisture blocks
Moisture blocks (soil)
BT –Instrumentation
RT –Moisture content
–Soil moisture
Soil moisture meters

Box beams 1313.5
BT –Beams (structural)
–Structural members
RT Continuous beams
Deep beams
–Girders
–Structural design
Structural shapes

Boxes
USE Containers

Boxes (weir)
USE Weir ponds

Bracing 1313.5
NT Wind bracing
RT Compression members
–Fasteners
–Frames
–Reinforcement
Ribs
Rigid frames
Roof supports
Shoring
Stiffeners
Stiffening
Straps
–Structural stability
Struts
–Supports
–Trestles
–Trusses
Tunnel linings
Tunnel supports
Wooden trestles

Brackish water 0808
BT –Saline water
–Water
RT –Demineralization
–Groundwater
Groundwater quality
Impaired water quality
–Irrigation water
Mangrove swamps
–Membrane processes
Mineral water
–Phreatic water
Saline groundwater
–Saline water intrusion
Salinity
–Water pollution
Water pollution sources
Water pollution treatment
–Water quality

Brackish-water fish 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Saline water fish
–Wildlife
RT Animal groupings
Estuarine fisheries
Fish types
–Freshwater fish
–Marine fish

Braiding 0808
RT Deposition
Meanders
–Rivers
Stream meandering

Brakes 1309
RT Deceleration
Retarding
–Wheels

Brambles 0603.1
RT –Vine crops

Branches 1407
NT Bifurcations
Trifurcations
RT –Canals
Flow distribution
Flow resistance
–Laterals
Pipe flow
–Pipelines
Velocity distribution

Brant 0603.2
UF Branta bernicla
BT –Animals
–Aquatic life
–Birds
–Geese (wild)
–Migratory birds
–Waterfowl
–Wildlife

Branta bernicla
USE Brant

Branta canadensis
USE Canada goose

Branta nigricans
USE Black brant

Brass 1106
BT –Alloys
–Copper alloys
–Zinc alloys
RT Bronzes
Copper
Zinc

Brazing 1308
RT Arc welding
–Joints (connections)
Soldering
–Welding

Breaches (dam)
USE Dam breaches

Breadth
USE Width

Breakwaters 1313.1
BT –Hydraulic structures
RT –Barriers
Beach erosion
–Coastal structures
Coasts
–Concrete structures
Harbors
Littoral drift
Ocean beaches
–Ocean waves
–Retaining walls
Revetments
Riprap
Rubble mounds
Sea walls
Shore protection
Wave run-up

Breccia 0807
BT –Rocks
RT –Colluvium
Fragmented materials
Talus
–Volcanic rocks

Breeding 0603.2
NT Plant breeding
RT –Biology
Broods
Brood stock
–Genetics
–Reproduction (biology)
Speciation

Brevoortia tyrannus
USE Atlantic menhaden

Brick masonry 1313.4
BT –Masonry
RT Bricks
–Building materials
–Buildings
–Cements
–Ceramic materials
Clay masonry
–Construction materials
–Mortars
–Walls

Bricks 1303
BT –Building materials
–Ceramic materials
–Construction materials
–Materials
RT Brick masonry
Burning
Clay masonry
–Clays
–Masonry
Masonry dams
–Mortars
Paving
Tiles

Bridge construction 1315
BT –Construction
RT Bridge design
Bridge failure
Bridge piers
–Bridges (structures)
Highway bridges
Road construction
Suspension bridges

Bridge decks 1313.5
RT Bridge design
–Bridges (structures)
Expansion joints
Floors
Highway bridges
Highway engineering
–Highways
–Pavements
–Roads
Slabs
Spillway piers
Wooden bridges

Bridge design 1313.5
BT –Design
–Structural design
RT Arch bridges
Bailey bridges
Bascule bridges
Bridge construction
Bridge decks
Bridge failure
Bridge piers
–Bridges (structures)
Highway bridges
Road design
Suspension bridges
Wooden bridges

Bridge failure 1313.5
BT –Failure
RT Bridge construction
Bridge design
–Bridges (structures)

Bridge failure (Con.)
Collapse
Deterioration
Disasters
Earthquake damage
—Failure (mechanics)
Fatigue (materials)

Bridge foundations 1313.6
BT —Foundations
RT Abutments
Bedrock
Bridge piers
—Bridges (structures)
—Footings
Foundation investigations
—Piles (foundations)

Bridge piers 1313.5
BT —Piers
RT Abutments
Bell piers
Bridge construction
Bridge design
Bridge foundations
—Bridges (structures)
—Bulkheads
Flow around objects
—Footings
—Foundations
Highway bridges
—Piles (foundations)
Scour
Skewed structures
Spillway piers
Turbulence
Underwater foundations

Bridges (electric)
USE Electric bridges

Bridges (structures) 1313.5
BT —Engineering structures
—Structures
NT Arch bridges
Bailey bridges
Bascule bridges
Highway bridges
Railroad bridges
Suspension bridges
Truss bridges
Wooden bridges
RT Abutments
Arches
Arch trusses
Bays (structural)
Bearing pads
Bell piers
Bridge construction
Bridge decks
Bridge design
Bridge failure
Bridge foundations
Bridge piers
Cantilevers
—Civil engineering
—Concrete structures
Continuous beams
Continuous frames
—Continuous structures
Crossings
Expansion joints
—Girders
Highway engineering
Large structures
—Piers
Pontoons
Portable
Skewed structures
Spans
Steel structures
—Trestles
—Trusses
Washouts
Wind bracing

Brine disposal 1302.5
BT —Disposal
—Waste disposal
—Waste water disposal
RT Byproducts
Evaporation reservoirs
Oil wells

Brines 1107
BT —Saline water
—Water
—Water types
RT Coolants
Drilling fluids
Evaporation reservoirs
Refrigerants
Salinity
Salt velocity method
Salt water barriers
—Solutions

Brine shrimp 0603.2
UF Artemia
BT —Animals
—Aquatic animals
—Aquatic life
—Commercial shellfish
—Crustaceans
—Invertebrates
—Shellfish
—Shrimp

Bristlecone pine trees 0603.1
UF Pinus aristata
BT —Coniferous trees
—Conifers
—Gymnosperms
—Pine trees
—Plants (botany)
—Trees

Brittle coatings
USE Stress analysis

Brittle fractures 2012
BT —Fractures
RT —Brittle fracture theory
Brittleness
Cracking
—Cracks
—Failure (mechanics)
Strength of materials

Brittle fracture theory 2012
BT —Theory
NT Griffith theory
RT Brittle fractures
Brittleness
Cracking
—Cracks
—Failure (mechanics)
—Fractures
Strength of materials

Brittleness 2012
UF Embrittleness
BT —Mechanical properties
RT Brittle fractures
—Brittle fracture theory
Cleavage
Ductility
Hardness
Impact tests
Notch effect
—Plasticity
—Tensile properties
Toughness
Workability

Broad-crested weirs 1402
BT —Weirs
RT Cipolletti weirs
Discharge measurement
Flow measurement
Rectangular weirs
Sharp crested weirs
Submerged weirs
Vee-notched weirs
Weir crests
Weir ponds

Brome
USE Bromegrass

Bromegrass 0603.1
UF Brome
Bromus inermis
BT —Agronomic crops
—Crops
—Field crops
—Forage grasses
—Forages
—Grasses
—Monocots
—Plants (botany)
RT Hay

Bromine 0702
BT —Chemical elements
—Halogens
—Nonmetals
RT Chlorine
Fluorine
—Halides
Oxidizers

Bromus inermis
USE Bromegrass

Bronzes 1106
BT —Alloys
—Metals
—Tin alloys
RT —Bearings
Brass
Journal bearings
Metallurgy

Broods 0603.2
RT Bird eggs
—Birds
—Breeding
Clutch (biology)
Hatching
Incubation
Nesting
Parental care

Brood stock 0603.2
RT —Breeding
Game birds

Brooks
USE Streams

Brook trout 0603.2
UF Salvelinus fontinalis
BT —Animals
—Aquatic animals
—Aquatic life
—Cold-water fish
—Fish
—Pan fish
—Salmonids
—Trout
—Wildlife
RT —Freshwater fish
—Marine fish

Brown algae
USE Phaeophyta

Brown soils 0807
BT —Alkaline soils
—Calcareous soils
—Earth materials
—Pedocals
—Soil groups
—Soils
—Soil types
RT Chestnut soils
—Grasslands
Semiarid climates
Temperate

Brown trout 0603.2
UF Salmo trutta
BT —Animals
—Aquatic animals
—Aquatic life
—Cold-water fish
—Fish
—Pan fish
—Salmonids
—Trout
—Wildlife

Browse utilization 0205
RT Carrying capacity
Comparative productivity
Food habits
Forest management
—Livestock
Range management
Ranges
—Shrubs
—Wildlife

Brush 0603.1
BT —Crops
—Dicots
—Horticultural crops
—Plants (botany)
NT Chaparral
Mesquite
Rabbitbush
Sagebrush
Seepwillow
Tamarisk
RT Brush control
Ground cover
—Phreatophytes
Range management
Ranges
—Shrubs
—Weeds
Windbreaks

Brush control 0606
UF Phreatophyte control
Woody plant control
BT —Control
—Pest control
—Weed control
RT —Brush
Carrying capacity
—Clearing
—Herbicides
Land clearing
—Phreatophytes
Range management
Riparian plants
Water conservation

Brushes 1309
RT Painting
—Rollers

BT
USE Bathythermographs

Bubbles 1407
NT Air bubbles
RT Aeration
Air entrainment
Air traps
Air-water interfaces
Blistering
Boiling
Bubhling pressure
Cavitation
Effervescence
Foam
Foaming
Froth flotation
Frothing
—Gases
—Liquid-vapor interfaces
Voids
Wakes

Bubbling pressure 0813
UF Air entry values
BT —Pressure
RT —Bubbles
Capillary tubes
—Ceramic materials
Filter stones
—Piezometers
—Pore pressure
—Porous materials

Bucephala albeola
USE Bufflehead duck

Bucephala clangula
USE Common goldeneye duck

Bucephala islandica
USE Barrows goldeneye duck

Buckets 1304
BT —Containers
RT Drums
Energy dissipators
Hoppers

Buckets (flip)
USE Flip buckets

Buckling 1407
RT Bending
Bending stress
Collapse
Deflection
—Deformation
Distortion (structural)
Eccentric loading
—Failure
—Failure (mechanics)
Fatigue (materials)
—Heaving
Materials failure
Torsion
Tunnel failure
Twisting

Budgeting 0501
RT Accounting
—Administration
—Allocations

Budgeting (Con.)
Allotments
Appropriations (fiscal)
–Budgets
–Constraints
–Cost allocation
Cost sharing
Cost transfer
Decision making
Earnings
Economic justification
Estimated costs
Estimating
Federal budgets
Finance
Financial analysis
Financial feasibility
Financing
–Planning
–Profit
–Programs
Revenues
Salaries
Wages

Budgets 0501
NT –Energy budget
Federal budgets
Heat budget
Hydrologic budget
Water budget
RT –Allocations
Allotments
Appropriations (fiscal)
Budgeting
–Constraints
–Cost allocation
Cost transfer
Finance
Organizing
Personnel management
–Programs

Buffalo fishes 0603.2
UF Ictiobus species
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Freshwater fish
–Suckers
–Wildlife

Buffers (chemistry) 0704
BT –Chemicals
RT Acidity
Alkalinity
–Chemical reactions
–Chemistry
Neutralization
pH
–Solutions

Buffers (dam)
USE Cushioning

Buffers (industrial equipment)
1309
RT –Grinders
Grinding

Bufflehead duck 0603.2
UF Bucephala albeola
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Building
USE Construction

Building codes 1313.4
BT –Codes
–Standards
RT Bolted joints
Building design
–Building materials
–Buildings
Chimneys
Concrete control
–Construction
–Construction materials
–Construction methods
Design assumptions
Design criteria
Design data
Design practices
Design standards
Earthquake engineering
Earthquake loads
Electric wiring
Fabrication
–Failure (mechanics)
Fire safety
Fire walls
Flexible foundations
Flood damage
Flood plain zoning
Floors
–Footings
–Foundations
Laws
–Legal aspects
Legislation
Litigation
–Loads (forces)
–Regulations
Residences
–Rigid foundations
Riveted joints
Riveting
–Safety
Seismic design
Seismic stability
Small structures
–Structural design
Wind pressure
–Wooden structures

Building design 1313.4
BT –Design
–Structural design
RT Architects
Architecture
–Beautification
Building codes
–Building materials
–Buildings
Columns
–Construction materials
Design assumptions
Design criteria
Design practices
Fire walls
Floors
–Structural analysis
Structural engineering

Building materials 1303
Use of a more specific term is recommended
BT –Construction materials
–Materials
NT Architectural concrete
Asbestos cement
Bricks
–Ceramic materials
Coal-tar epoxy paints
–Composite materials
–Concretes
Drain tiles
Enamels
Expansive concrete
Fiberboards
Foam rubber
–Glass
Glass reinforced plastics
Hardwood
High strength concretes
Lacquers
Laminated glass
Laminated plastics
–Laminated wood
–Laminates
Lightweight concretes
Lumber
Marble
–Mortars
Nails
–Paints
Plaster
–Plastics
Plywoods
Polymer concretes
Precast concrete
Prepacked concrete
Prestressed concrete
Pumped concrete
–Reinforced concrete
–Reinforced plastics
Roofing materials
–Rubber
Softwood
Stones
Structural concrete
Structural steel
Synthetic rubber
Tiles
Timbers
Tremie concrete
Vacuum concrete
Varnishes
–Wood
RT Adobe
–Aggregates
Architecture
Asbestos
–Asphalts
–Bituminous materials
Brick masonry
Building codes
Building design
–Buildings
–Cements
Clay masonry
Concrete masonry
–Concrete products
Electric wire
–Fasteners
–Insulation
–Masonry,
Mastics
–Metals
–Portland cements
Residences
Specifications
Wood preservatives

Buildings 1313.4
BT –Engineering structures
–Structures
NT Biotrons
Garages
Residences
RT Arches
Architects
Architecture
Arch trusses
Bays (structural)
–Beautification
Bents (structural)
Brick masonry
Building codes
Building design
–Building materials
Canneries
Chimneys
Columns
–Concrete structures
–Construction materials
Continuous beams
Continuous frames
–Continuous structures
Continuous trusses
Demolition
Desalination plants
–Electric powerplants
Elevators
Erection
–Facilities
Floors
–Foundations
Hospitals
Hydroelectric powerplants
Incinerators
–Industrial plants
–Mills
Monuments
–Nuclear powerplants
Pile foundations
Powerhouses
–Powerplants
Precast concrete
Prefabrication
Prestressed concrete
Pumping plants
Real property
–Reinforced concrete
Roofs
–Schools (education)
Seismic properties
Seismic stability
Sheathing
–Shell structures
Shelters
Slabs
Small structures
Spans
Stairs
Steel structures
Thermal powerplants
Tidal powerplants
–Towers
–Walls
Warehouses
Wind bracing
Wind pressure

Bulb turbines 1307.1
BT –Equipment
–Hydraulic machinery
–Hydraulic turbines
–Turbines
RT Francis turbines

Bulk 1407
RT Bulk density
–Density
Mass
–Size
Volume
–Weight

Bulk density 1407
BT –Density
–Physical properties
RT Bulk
Specific gravity

Bulkhead gates 1313.7
BT –Equipment
–Gates
–Hydraulic equipment
–Hydraulic gates
RT –Bulkheads
Fixed wheel gates
–Fluid mechanics
–Hoisting machinery

Bulkhead line 0504.1
RT –Coastal structures
–Docks
Jetties
Navigation
–Piers

Bulkheads 1313.5
BT –Engineering structures
NT Anchored bulkheads
RT Bellmouths
Bridge piers
Bulkhead gates
Buttresses
–Coastal structures
–Concrete structures
–Docks
–Piers
–Retaining walls
Revetments
Sea walls
Sheeting
Sheet piling
Shore protection
Slots
–Walls
Wave run-up

Bulking 1407
RT Mass
–Soil properties
Volume

Bulk modulus 2012
RT Compressibility
–Compression
–Density
–Pressure
Volume
–Volume change

Bulldozers 1303
BT –Construction equipment
–Tractors
RT –Clearing
Draglines
–Earth handling equipment
–Earthworks
–Excavators
Scarifiers
Stripping

Bullheads 0603.2
UF Ictalurus meals
Ictalurus natalis
Ictalurus neblosus
Ictalurus platycephalus
BT –Animals
–Aquatic animals
–Aquatic life
–Catfishes
–Fish
–Freshwater fish
–Pan fish
–Wildlife

Bulrush 0603.1
UF Scirpus species
Tules
BT –Aquatic life
–Aquatic plants
–Monocots
–Plants (botany)
–Rooted aquatic plants
RT –Amphibious plants
–Aquatic weeds

Bundled conductors 0901.1
RT Bus (electrical)
–Electrical equipment
–Electric cables
–Electric conductors
Electric wire
Stranded conductors

Buoyancy 1407
BT –Physical properties
RT Buoys
–Density
Floating
–Flotation
Flotsam
Porosity
Specific weight
Submergence
Uplift pressure
Voids

Buoys 1310
RT Buoyancy
Floating
Floats
Navigation
–Warning systems

Buried cables 0901.1
BT –Electric cables
RT Dielectrics
Electrical insulation
–Electric conductors
–Electric current
–Electric potential
Power cables
–Transmission (electrical)
Underground cables
Underground transmission lines

Buried irrigation systems 0203.1
BT –Distribution systems
–Gravity irrigation
–Irrigation systems
RT –Buried pipes
Buried structures
Cast-in-place pipes
–Conduits
Gate valves
–Pipelines
Turnouts
–Underground structures
Water conveyance
Water distribution (applied)

Buried membranes 0808.1
BT –Membranes
RT Asphalt membranes
–Bituminous cements
Canal linings
Canal seepage
–Curtains
Cutoffs
Flexible linings
Impervious linings
Impervious membranes
–Leakage
–Lined canals
Seepage control

Buried metalwork 1302 1313
BT –Metalwork
RT –Buried pipes
Buried structures
–Corrosion
–Corrosion control
–Metals

Buried pipes 1313.3
BT –Closed conduits
–Conduits
–Pipes
NT Culverts
RT Asbestos-cement pipes
Buried irrigation systems
Buried metalwork
Buried structures
Cast-in-place pipes
Metal detectors
Pipe bedding
Pipe laying
–Pipelines
Siphons
–Underground structures

Buried structures 1313.5
(excludes foundations for above ground structures)
BT –Structures
RT Buried irrigation systems
Buried metalwork
–Buried pipes
Cast-in-place pipes
Concrete tanks
–Pipelines
Siphons
Underground storage
–Underground structures

Burning 2102
RT Bricks
–Ceramic materials
Combustion
Cultural control
–Damages
–Erosion
Forest fires
Forest management
Incineration
Oxidation
–Pest control
Shock (physiology)
Smoke
–Waste dumps

Burrowing animals 0603.2
BT –Animals
RT Canal embankments
Dam failure
–Embankments

Burrows 0606
BT –Tunnels
RT –Aquatic animals
Bank protection
Bank stability
–Damages
–Habitats
Muskrats
Nests
–Rodents
Terrestrial habitats

Bus (electrical) 0901.1
RT Bundled conductors
–Electrical equipment
–Electric cables
–Electric conductors
Electric wire
Power cables
Stranded conductors
Substations (electrical)
Switchyards (electrical)

Bushes
USE Shrubs

Bushings 1305
RT Bearing pressure
–Bearings
Journal bearings
–Linings
Power transmission (mechanical)
–Shafts (machinery)
Spacers
–Supports

Butterfly valves 1311
BT –Equipment
–Hydraulic equipment
–Hydraulic valves
–Valves
RT Check valves
Flap valves
Hollow jet valves
–Outlet works

Butt joints 1305
BT –Joints (connections)
RT Bolted joints
–Bolts
–Fasteners
Pipe joints
Riveted joints
–Structural design
Welded joints
–Welds

Buttress dams 1313.1
BT –Concrete dams
–Concrete structures
–Dams
–Engineering structures
RT –Arch dams
Buttresses
Gravity dams
Masonry dams
Multiple arch dams

Buttresses 1313.5
RT –Bulkheads
Buttress dams
–Piers
–Retaining walls
–Structural design
–Structural members
–Structural stability
–Supports

Bypasses 0808
RT Channel improvements
–Channels
Chutes
–Conduits
–Conveyance structures
Cutoffs
–Dams
–Ditches
Diversion structures
Diversion tunnels
Diversion works
Electric shunts
Floodways
–Flumes
River training
–Routing
Shaft spillways
Side channel spillways
Ski-jump spillways
–Spillways

Byproducts 1407
RT Brine disposal
–Costs
–Desalination
Fly ash
–Wastes

C

Cables 1309
(excludes electric cables)
UF Cableway
NT Stressing cables
RT Galleries
Guyed towers
–Prestressing
Stream gaging station
Suspension bridges
Towing
–Wire
Wire rope

Cables (anchored)
USE Anchors

Cables (coaxial)
USE Coaxial cables

Cables (electric)
USE Electric cables

Cables (stay)
USE Stay lines

Cables (stressing)
USE Stressing cables

Cableway
USE Cables

Cacti 0603.1
BT –Crops
–Desert plants
–Dicots
–Horticultural crops
–Plants (botany)
–Xerophytes
RT Arid lands

Cadastral surveys 0802
BT –Plane surveying
–Surveys
RT Baselines
Boundaries (property)
Boundary disputes
Land acquisition
Land development
Land ownership
Right-of-way
–Surveying
–Zoning

Caddisflies 0603.2
BT –Animals
–Insects
–Invertebrates
RT –Aquatic insects
–Benthic fauna

Cadmium 0702
BT –Chemical elements
–Metals
RT Cadmium alloys
Cadmium compounds
Cadmium radioisotopes

Cadmium alloys 1106
BT –Alloys
–Metals
RT Cadmium

Cadmium compounds 0702 0703
BT –Chemical compounds
RT Cadmium

Cadmium radioisotopes 1802
BT –Isotopes
–Radioisotopes
RT Cadmium

Caissons 1313.6 1315
BT –Engineering structures
RT Bell piers
Cofferdams
–Construction
–Footings
–Foundations
–Gates
–Piers
Sheet piling
Underwater
Underwater construction
Underwater foundations
Watertight

Calcareous rocks 0807
BT –Rocks
NT Calcite
Chalk
Dolomite
–Limestone
Marble
Marl
RT –Calcareous soils
Caliche
–Nonmetals
–Sedimentary rocks
Travertine

Calcareous soils 0813
BT –Alkaline soils
–Earth materials
–Materials
–Soils
–Soil types
NT Brown soils
Caliche
Chestnut soils
Marl
Sierozems
RT Alkali soils
–Calcareous rocks
–Calcium carbonate
–Calcium compounds
–Carbonate rocks
–Carbonates
Chernozems
Lime
Lime soil mixtures
–Pedocals

Calcite 0807
BT –Calcareous rocks
–Calcium carbonate
–Carbonate minerals

Calcite (Con.)
–Minerals
–Rocks
RT Chalk
Dolomite
–Limestone
Marl
Travertine

Calcium 0702
BT –Alkaline earth metals
–Chemical elements
RT Calcium alloys
–Calcium compounds
Hardness (water)

Calcium alloys 1106
BT –Alloys
RT Calcium

Calcium carbonate 0702
BT –Calcium compounds
–Carbonates
–Carbon compounds
–Chemical compounds
–Inorganic compounds
NT Calcite
Chalk
RT –Calcareous soils
Caliche
Coral
Dolomite
Hardness (water)
Lime
Marl
–Pedocals
Travertine

Calcium chloride 0702
BT –Calcium compounds
–Chemical compounds
–Chemicals
–Chlorides
–Chlorine compounds
–Halides
–Inorganic compounds
–Salts
RT –Admixtures
Desiccants
Soil stabilization
Soil treatment

Calcium compounds 0702 0703
BT –Chemical compounds
NT –Calcium carbonate
Calcium chloride
Calcium hydroxide
–Calcium sulfate
Chalk
Gypsum
RT –Calcareous soils
Calcium
Hardness (water)
Lime

Calcium hydroxide 0702
BT –Alkalis (bases)
–Calcium compounds
–Chemical compounds
–Chemicals
–Inorganic compounds
RT Lime

Calcium sulfate 0702
BT –Calcium compounds
–Chemical compounds
–Inorganic compounds
–Sulfates
–Sulfur compounds
NT Anhydrite
Gypsum

Calculations 1201
RT –Analysis
Calculators
Computation
–Computers
–Data processing
–Mathematics
Nomographs

Calculators 0902
BT –Equipment
–Office equipment
RT Calculations
Computation
–Computers
–Mathematics

Calculus 1201
BT –Analysis
–Mathematical analysis
–Mathematical studies
–Mathematics
NT Series (mathematics)
Vector analysis
RT Boundary conditions
Boundary values
–Differential equations
Discontinuities
Finite differences
Fourier analysis
Integrals
Integration (mathematics)
–Numerical analysis

Calefaction 2013
RT –Aquatic environment
–Aquatic life
Cooling water
–Heating
Impounded waters
–Lakes
–Reservoirs
–Rivers
–Streams
–Temperature
Thermal pollution
–Thermal properties
–Water quality

Calibrations 1402
RT Accuracy
–Instrumentation
–Measurement
–Measuring instruments
Metergates
–Tests

Caliche 0807 0813
BT –Alkaline soils
–Calcareous soils
–Carbonate rocks
–Earth materials
–Materials
–Rocks
–Soils
–Soil types
RT –Calcareous rocks
–Calcium carbonate
–Clays
Hardpan
Marl
–Pedocals

California 0806
BT –Geographical regions
–States (geographical)
RT Reclamation states

California bearing ratio 0813
UF CBR
RT Base courses
Bearing strength
Bearing values
Flexible pavements
–Penetration
–Soil tests

California pipe method 2004
BT –Water measurement
RT Discharge measurement
–Irrigation
Pipe flow

Calorimeters 1402
UF Calorimetry
BT –Equipment
–Instrumentation
–Measuring instruments
–Test equipment
RT –Heat
Laboratory equipment
Latent heat
Specific heat
–Temperature sensors
–Thermal analysis
–Thermal properties
Thermographs

Calorimetry
USE Calorimeters

Calyx drills 1309
BT –Drilling equipment
–Drills
–Equipment
RT Boreholes
–Borings
Core drilling
Cores
Drill holes
–Drilling
Foundation investigations

Camber 1409
RT Bending
Dam crests
Deflection
–Deformation
Distortion (structural)
Embankment subsidence

Cameras 1405
BT –Instrumentation
–Optical instruments
–Photographic equipment
–Recording systems
NT –Borehole cameras
Drill hole TV cameras
RT High speed photography
Laboratory equipment
Lenses (optical)
Photogrammetry
–Photographs
–Photography
Remote sensing
Spectrophotometry
Underwater television

Cameras (high speed)
USE High speed photography

Camping 0511
BT –Recreation
RT Camp sites
Forest fires
–Parks
–Recreation facilities
Recreation wastes
–Safety

Camp sites 0511
BT –Recreation facilities
RT Camping
–Facilities

Cams 1309
RT Actuators
Automatic control
–Internal combustion engines
Mechanical control
Variable-speed drives

Canada goose 0603.2
UF Branta canadensis
BT –Animals
–Aquatic life
–Birds
–Geese (wild)
–Migratory birds
–Waterfowl
–Wildlife

Canal construction 1315
BT –Construction
RT Canal design
Canal embankments
–Canals
Concrete-lined canals
Concrete linings
Earth-lined canals
–Excavation
Overhaul
Unlined canals

Canal design 1313.1
BT –Design
RT Barges
Canal construction
Canal embankments
Canal linings
–Canals
Chezy equation
Concrete-lined canals
Concrete linings
Freeboard
High velocity
Hydraulic engineering
–Hydraulic structures
Irrigation design
Irrigation engineering
Kutter formula
Locks (waterways)
Mannings equation
Open channel flow
Regime theory
–Structural design
Trapezoidal channels
Unlined canals

Canal embankments 1313.1
BT –Earthworks
–Embankments
RT Bank erosion
Burrowing animals
Canal construction
Canal design
–Canals
–Compaction
Rapid drawdown
–Seepage
Trapezoidal channels
Unlined canals

Canal linings 1313.1
BT –Linings
RT –Asphalt cement
Asphalt membranes
–Asphalts
–Bituminous cements
Bituminous concretes
Buried membranes
Canal design
–Canals
Canal sealants
Canal seepage
Catalytically blown asphalt
Concrete linings
–Concretes
Earth-lined canals
Earth linings
Flap valves
Flexible linings
Impervious linings
Impervious membranes
Irrigation design
–Pervious blankets
Pervious linings
–Plastics
Rigid linings
–Seepage
Seepage control
Seepage losses
Shotcrete
–Soils
Test canals

Canals 1313.1
BT –Channels
–Conduits
–Conveyance structures
–Hydraulic structures
–Open channels
–Structures
–Waterways
NT Concrete-lined canals
Earth-lined canals
–Irrigation canals
–Laterals
–Lined canals
Test canals
Unlined canals
RT Alinement
Approach channels
Aqueducts
–Bends (hydraulic)
Bifurcations
Borrow materials
–Branches
Canal construction
Canal design
Canal embankments
Canal linings
Canal seepage
Capacity reduction
Channel design
Chute spillways
Cuts
Design flow
–Ditches
Diversion dams
–Drains
Drops (structures)
–Fills
Fixed-bed models
Flexible linings
–Fluid flow
–Flumes
Frazil ice
Friction coefficient (hydraulic)
–Gates
Headwalls
Headworks
Horizontal drains
Hydraulic engineering

Canals (Con.)
—Hydraulics
—Inland waterways
—Irrigation
Large structures
Liquid level gages
Lock gates
Locks (waterways)
Navigation
Nuclear excavation
Open drains
Rapid drawdown
Rapid excavation
Reaches (distance)
Regime
—Routing
—Saline water intrusion
—Seepage
Siphons
Surface drainage
—Transportation
Trapezoidal channels
Trifurcations
Water control
Water conveyance
Water plans
Water surface
Water transportation
Wye branches

Canal sealants 1303
BT —Sealants
RT Asphalt membranes
Canal linings
Impervious linings
Impervious membranes
—Seepage
Seepage control
Water-borne sealants

Canal seepage 1313.1
BT —Seepage
RT Buried membranes
Canal linings
—Canals
Earth linings
Flexible linings
Flow nets
Impervious blankets
Impervious linings
Impervious membranes
—Leakage
—Lined canals
Percolation
Seepage control
Seepage losses
Unlined canals
—Water loss

Canneries 1309
BT —Engineering structures
—Industrial plants
RT —Buildings
—Facilities
Fish handling facilities
Foods
—Industrial wastes
—Industries
Water pollution sources

Canoeing
USE Boating

Canoes
USE Boats

Canopy 0603.1
UF Overstory
RT Foliar
—Forests
Interception
Leaves
Microenvironment
Roofs
Stemflow
Throughfall
—Vegetation establishment

Cans
USE Containers

Cantilevers 1313.5
RT —Bridges (structures)
—Concrete structures
Corbels
—Piers
—Retaining walls
Steel structures
—Structural design
—Structural members

Canvasback duck 0603.2
UF Aythya valisineria
BT —Animals
—Aquatic life
—Birds
—Ducks (wild)
—Migratory birds
—Waterfowl
—Wildlife

Canyons 0806
UF Gorges
BT —Land forms
RT Arroyos
—Channels
—Erosion
Gullies
Ravines
—Running waters
—Slopes
Stream valley
—Valleys

Capacitance 2003
BT —Electrical properties
RT Dielectric properties
Electrical conductance
Electrical impedance
Inductance
Power factor
Reactance

Capacities (peaking)
USE Peaking capacities

Capacitors 0901
UF Condensers (electrical)
BT —Electrical equipment
—Equipment
RT Circuit protection
Dielectrics
—Electric bridges
Electric reactors
Power system stability
—Protection (electrical)

Capacity reduction 0808
RT —Aquatic weeds
—Canals
—Fluid flow
Friction coefficient (hydraulic)
Incrustation
—Pipelines
Reservoir capacity
Reservoir silting

Cap clouds 0402
BT —Clouds
RT Cloud cover
Cloud modification
Cloud seeding
Thunderstorms

Capillarity 1407
UF Capillary
RT —Absorption
Capillary action
Capillary conductivity
Capillary fringe
Capillary pressure
Capillary tubes
—Capillary water
Cohesion
—Electrical properties
—Flow
Interstices
Negative pore pressure
Percolation
Permeability
—Pore pressure
Porosity
—Porous media flow
Soil moisture movement
—Soil properties
Soil shrinkage
Soil water movement
—Surface properties
Surface tension
—Unsaturated flow
Voids
Water application rate

Capillary
USE Capillarity

Capillary action 2004
UF Capillary flow
BT —Flow
—Movement
—Unsaturated flow
RT —Absorption
Capillarity
Capillary conductivity
Capillary fringe
Capillary tubes
—Capillary water
Circulation (plants)
Cohesion
Cohesive strength
Diffusivity
Field capacity
—Hydrologic properties
Ice lenses
Negative pore pressure
Permeability
Permeability coefficients
—Physical properties
—Pore pressure
Retention
Rock properties
—Soil physical properties
Soil suction
Soil water movement
Surface tension
Voids
Water properties

Capillary conductivity 2004
BT —Conductivity
—Hydrologic properties
—Physical properties
RT Capillarity
Capillary action
Capillary tubes
Darcys law
Groundwater movement
Infiltration
Infiltration rate
Interstices
Negative pore pressure
Percolation
Permeability
—Pore pressure
Pores
Porous media
Soil moisture movement
—Unsaturated flow
Wilting point

Capillary flow
USE Capillary action

Capillary fringe 0808.1
BT —Zone of aeration
RT Capillarity
Capillary action
—Capillary water
Fringe water
—Phreatophytes

Capillary pressure 2004
BT —Pressure
RT Capillarity
Capillary tubes
—Capillary water
Negative pore pressure
—Pore pressure
—Soil water
Surface tension
Tensiometers

Capillary tubes 1311
BT —Closed conduits
—Conduits
—Rigid tubing
—Tubes
RT Bubbling pressure
Capillarity
Capillary action
Capillary conductivity
Capillary pressure
—Capillary water
Filter stones
—Soil physical properties
Soil water movement

Capillary water 0808.1
BT —Moisture
—Soil moisture
—Soil water
—Subsurface waters
—Vadose water
—Water
—Water types
NT Fringe water
RT Capillarity
Capillary action
Capillary fringe
Capillary pressure
Capillary tubes
Field capacity
Gravitational water
Hygroscopic water
—Pore pressure
Specific retention

Capital 0503
RT —Allocations
Appropriations (fiscal)
Diversification
—Economics
Finance
Financing
Fixed costs
Grants
Interest (finance)
Investment
—Land
Loans
Participating funds
Principal
Real property

Capital costs 1401
BT —Costs
RT Construction costs
Electric power costs
Equipment costs
Operating costs
Replacement costs
Tangible costs

Capital investment
USE Investment

Capital mobility 0503
RT Capital supply

Capital supply 0503
BT —Supply
RT Capital mobility
Grants
Loans

Capping 1308
UF Caps
RT Closing
Retarding

Caps
USE Capping

Capture-mark-and-recapture technique
USE Marking techniques

Carbamate pesticides 0606
BT —Chemical compounds
—Chemicals
—Organic compounds
—Organic pesticides
—Pesticides
NT Thiocarbamate pesticides

Carbohydrates 0601
BT —Chemical compounds
—Organic compounds
NT Cellulose
RT —Alcohols
Biochemistry
Lipids
Nutrient requirements
Photosynthesis
Plant physiology
—Proteins
—Sugar crops

Carbon 0702
BT —Chemical elements
—Nonmetals
RT Activated carbon
Carbon alloys
—Carbon compounds
Carbon cycle
Carbon dioxide
Carbon monoxide
Carbon radioisotopes
Diamonds
Graphite
—Hydrocarbons

Carbon alloys 1106
BT —Alloys
—Iron alloys
—Metals
RT Carbon
Carbon steels

Carbon alloys (Con.)
High strength steels
—Steel
Structural steel

Carbon assimilation
USE Photosynthesis

Carbonate minerals 0807
BT —Minerals
NT Calcite
Dolomite
Travertine
RT —Carbonate rocks
—Carbonates
Sodium carbonate

Carbonate rocks 0807
BT —Rocks
NT Caliche
Dolomite
—Limestone
Marble
Marl
RT Atolls
—Calcareous soils
—Carbonate minerals
—Carbonates
Chalk
Coral
Karst
Reefs
—Sedimentary rocks
Sinkholes
Sinks
Travertine

Carbonates 0702
BT —Carbon compounds
—Chemical compounds
NT —Calcium carbonate
Chalk
Magnesium carbonates
Potassium carbonate
Sodium carbonate
RT Bicarbonates
—Calcareous soils
—Carbonate minerals
—Carbonate rocks
Hardness (water)
Travertine

Carbon compounds 0702 0703
BT —Chemical compounds
NT —Calcium carbonate
—Carbonates
Carbon dioxide
Carbon monoxide
Potassium carbonate
Sodium carbonate
RT Carbon
—Organic compounds

Carbon cycle 0601
BT —Cycles
RT Aerobic conditions
Anaerobic conditions
Biochemistry
Carbon
Carbon radioisotopes
Photosynthesis
Respiration
Transpiration

Carbon dioxide 0702
BT —Carbon compounds
—Chemical compounds
—Gases
—Inorganic compounds
—Oxides
RT Carbon
Carbon monoxide
Dry ice
Soil gases

Carbon fixation
USE Photosynthesis

Carbon monoxide 0702
BT —Carbon compounds
—Chemical compounds
—Gases
—Inorganic compounds
—Oxides
RT Carbon
Carbon dioxide

Carbon radioisotopes 1802
UF Radiocarbon
BT —Isotopes
—Radioisotopes
RT Carbon
Carbon cycle
Radioactive dating

Carbon steels 1106
BT —Alloys
—Iron alloys
—Metals
—Steel
RT Carbon alloys
High strength steels
Prestressed steel
Structural steel

Carborundum 0702
RT Abrasion
Abrasives

Carburetors 2110
RT Aeration
Injectors
—Internal combustion engines
—Mixers
Throttling
—Vaporization

Careers 0509
RT Abilities
Civil service
—Education
Human engineering
Leadership
Motivation
Objectives
Occupations
Organization charts
Performance
Personnel management
Professional advancement
Professional development
—Professional personnel
Self-improvement
Students
—Training

Carnivores 0603.2
BT —Animals
RT Food chains
Niches
—Predation
Trophic level

Carp 0603.2
UF Cyprinus carpio
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Freshwater fish
—Wildlife
RT Minnows
Rough fish

Carpiodes species
USE Carpsucker

Carpsucker 0603.2
UF Carpiodes species
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Freshwater fish
—Suckers
—Wildlife

Carrier-current 1702
RT Communication
Data transmission
—Electric conductors
Electric relays
—Modulation
Powerline carriers

Carriers 1407
RT —Diseases
Formulation
Powerline carriers
—Radioisotopes
—Solvents

Carrots 0204 0603.1
BT —Crops
—Dicots
—Field crops
—Horticultural crops
—Plants (botany)
—Vegetable crops

Carrying capacity 0202
RT Browse utilization
Brush control
Comparative productivity
—Forages
Forest management
Grazing
—Livestock
Pasture
Pasture management
Range management
Ranges
—Wildlife management

Cars (automobiles)
USE Automobiles

Cars (not automobiles)
USE Vehicles

Cartography
USE Mapping

Carya illinoiensis
USE Pecans

Caseins 0601
BT —Organic compounds
—Proteins
RT Milk
—Plastics

Casings 1107
NT Well casings
RT —Drilling
Housings
—Linings
—Pipes
—Tubes
Well regulations
—Wells

Castings 1106
BT —Materials
—Metals
NT Cast iron
RT —Alloys
Cast steel
Dies
Extrusions
Materials forming
Moldings

Cast-in-place piles 1313.6
BT —Concrete piles
—Concrete products
—Concrete structures
—Piles (foundations)
RT Bearing piles
Bored piles
Cast-in-place structures
—Concrete placing
Friction piles
Pile bearing capacities
Pile foundations
Pile spacing

Cast-in-place pipes 1313.3
BT —Closed conduits
—Conduits
—Pipes
RT Autogenous healing
Buried irrigation systems
—Buried pipes
Buried structures
Cast-in-place structures
Concrete pipes
—Concrete placing
Friction coefficient (hydraulic)
—Pipelines
Rigid pipes
Water pipes

Cast-in-place structures 1313.5
BT —Concrete structures
—Structures
RT Cast-in-place piles
Cast-in-place pipes
—Concrete construction
Concrete control
—Concrete dams
Concrete linings
Concrete pavements
—Concrete piles
—Concrete placing
—Concretes
Concrete tanks
—Concrete technology
—Formwork (construction)
Monoliths
—Piles (foundations)
—Pipes
Slip forms

Cast iron 1106
UF Alloy cast iron
BT —Alloys
—Castings
—Chemical elements
—Iron
—Iron alloys
—Materials
—Metals
RT Cast steel
—Steel
Steel industries

Cast iron pipe 1311
BT —Closed conduits
—Conduits
—Pipes
—Tubes
RT —Pipelines
Piping systems (mechanical)
Water pipes

Cast steel 1106
BT —Iron alloys
—Metals
—Steel
RT —Castings
Cast iron
—Iron

Catadromous fish 0603.2
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Wildlife
RT Anadromous fish
Animal groupings
Eels
Fish migration
Fish types
—Freshwater fish

Catalogs 0502
RT —Classifications
Data collections
Directories
Indexes (documentation)
—Indexing
Information retrieval
—Subject indexing

Catalysis
USE Catalysts

Catalysts 0704
UF Catalysis
RT Accelerating (chemistry)
—Chemical reactions
—Chemicals
Enzymes
Inhibitors
—Retardants
—Retarding agents

Catalytically blown asphalt 1303
BT —Asphalt cement
—Asphalts
—Bituminous cements
—Bituminous materials
—Cements
RT Asphalt membranes
Bituminous concretes
Canal linings
—Construction materials
—Linings
—Pavements
Paving

Catamarans 1310
BT —Boats

Catastomids
USE Suckers

Catch crops 0204
BT —Crops
—Plants (botany)
RT Droughts
Drought tolerance
Dry land farming
Farm management
—Freezing
Land use

Catch crops (Con.)
Water injury
Winterkilling

Catchments 0808
RT –Basins
Closed basins
Drainage basins
River basins
–Valleys
–Watersheds (basins)

Categories
USE Classifications

Catfishes 0603.2
UF Blindcats
Blue catfish
Headwater catfish
Ictalurus catus
Ictalurus furcatus
Ictalurus lupus
Noturus species
White catfish
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Freshwater fish
–Pan fish
–Wildlife
NT Bullheads
Channel catfish
Madtoms
RT Rough fish

Cathodes 0901
BT –Electrodes
RT Anodes
Anodic protection
Cathodic protection
Cations
Electrochemistry
Electrolysis
Electroosmosis

Cathode tubes
USE Electron tubes

Cathodic protection 1113 1308
BT –Control
–Corrosion control
RT Anodes
Anodic protection
Cathodes
Chemical stability
–Corrosion
Corrosion currents
Electrochemistry
–Galvanic corrosion
–Linings
–Pipelines
Pitting
Rust control
Soil resistivity
Stray current corrosion

Cation adsorption 0701
BT –Adsorption
–Ion adsorption
RT Anion adsorption
Anion exchange
Cation exchange
–Ions

Cation exchange 0701
UF Base exchange
BT –Ion exchange
RT Anion adsorption
Anion exchange
Cation adsorption
Cations
–Demineralization
Demineralization cells
–Water treatment
Zeolites

Cationic asphalt emulsions 1303
BT –Asphalt emulsions
–Emulsions
RT –Asphalt cement
–Asphalts
Bituminous concretes
–Bituminous materials
–Construction materials
–Roads
Soil sealants
Soil stabilization

Cations 0704
BT –Ions
RT Anions
Cathodes
Cation exchange
Permselective membranes
Protons

Cattails 0603.1
BT –Amphibious plants
–Aquatic life
–Aquatic plants
–Monocots
–Plants (botany)
–Rooted aquatic plants
RT –Aquatic weeds
Riparian plants

Cattle 0205 0603.2
BT –Animals
–Domestic animals
–Livestock
–Mammals
–Ruminants

Caulking 1303
RT Dry pack mortar
–Grouting
Grout stops
Moistureproofing
–Plugs
–Seals (stoppers)
Waterproofing

Caulking compounds 1303
RT Joint fillers
Sealing compounds

Cavefishes 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Freshwater fish
–Wildlife
RT Caves

Caverns
USE Caves

Caves 0807
UF Caverns
BT –Land forms
RT Cavefishes
Cavities
Karst
Land subsidence
Pores
Sinkholes
Sinks
Soluble rocks
Underground openings
–Water loss

Cavitation 2004
RT Aeration
Air demand
–Bubbles
Cavitation control
Cavitation index
Cavitation noise
Cavitation resistance
Cavities
–Conduits
–Corrosion
Corrosion environments
–Erosion
–Flow
Flow distribution
Flow separation
–Fluid flow
–Flumes
–Hydraulics
–Hydraulic structures
Hydrofoils
Impellers
Magnetostriction
–Negative pressure
–Nuclei
Pitting
Reaeration
Rotational flow
Scour
Shaft spillways
–Vacuum
Velocity distribution
Vortices
Wakes
–Water
Water column separation

Cavitation control 2004
BT –Control
RT Cavitation
Cavitation index
Cavitation noise
Cavitation resistance
–Erosion control

Cavitation index 2004
RT Cavitation
Cavitation control
Cavitation noise
Cavitation resistance
–Fluid dynamics
–Formulas
–Hydraulic machinery
–Hydraulic models
Permissible velocity
–Subatmospheric pressure
Vapor pressure
–Water pressure
Water tunnels (testing)

Cavitation noise 2004
BT –Elastic waves
–Mechanical waves
–Noise (sound)
–Sound waves
RT Cavitation
Cavitation control
Cavitation index
Cavitation resistance

Cavitation resistance 2004
BT –Mechanical properties
RT Cavitation
Cavitation control
Cavitation index
Cavitation noise
Cladding
–Fluid flow
–Hydraulic models
–Materials tests
Metal coatings
–Metals

Cavities 1407
RT Apertures
Boreholes
Bores (wave)
Caves
Cavitation
–Cracks
Defects
Drill holes
Ducts
Fissures
Interstices
–Leakage
–Pits
Ports
Potholes
Underground openings
Vents
Voids

CBR
USE California bearing ratio

Ceilings (meteorology) 0402
RT Cloud cover
Cloud physics
–Clouds
–Fog
Haze
–Meteorology
Smog
Smoke
Visibility
Weather

Celerity 1407
RT –Rates
Standing waves
–Velocity
–Waves (water)

Cells 1407
(excludes cells (biology))
NT Pressure cells
RT Cellular structures
–Containers
Electric batteries
–Porous materials

Cells (biological)
USE Cytological studies

Cells (pressure)
USE Pressure sensors

Cellular structures 1313.5
UF Honeycombs
BT –Structures
RT Bins
–Cells
Cribbing
Crib walls
Cylinders
–Porous materials
Silos

Cellulose 0601 1112
BT –Carbohydrates
–Chemical compounds
–Organic compounds
RT Fibers (plant)
–Lignins
Lumber
Pulp wastes
Rayon
–Vascular tissues
–Wood
Wood wastes

Cement (asbestos)
USE Asbestos cement

Cement-aggregate reaction 1303.1
BT –Chemical properties
–Chemical reactions
NT Alkali aggregate reactions
RT –Aggregates
Concrete mixes
–Concrete technology
Deleterious materials
Deterioration
–Durability
Low alkali cements
–Portland cements

Cement grouts 1303
RT –Cements
Chemical grouts
–Concretes
Grout curtains
–Grouting
–Mortars
Plaster

Cements 1303.1
NT –Asphalt cement
–Bituminous cements
Catalytically blown asphalt
Cutback asphalts
Expanding cements
Low alkali cements
Low heat cements
–Portland cements
Sulfate-resisting cements
RT Ball mills
Bonding
Brick masonry
–Building materials
Cement grouts
Clay masonry
–Concrete additives
Concrete mixes
–Concretes
–Concrete technology
–Construction materials
Efflorescence
Expansive concrete
False set
–Grouting
Initial set
Lime
–Linings
–Masonry
Masonry dams
Mass concrete
Mineral content
–Mortars
Pipe linings
Plaster
Pozzolans
Rubble masonry
Set-retarding agents
Setting (materials)
Soil cement

Cenozoic era 0807
BT –Geologic time
NT Pleistocene epoch
–Quaternary period
Recent epoch

Cenozoic era (Con.)
Tertiary period

Census 1407
NT Creel census
RT Data collections
Estimating
Future planning (projected)
History
—Investigations
Marking techniques
—Measurement
—Planning
—Population
Preliminary investigations
—Sampling
Standing crop
Statistics
Surveys (data collection)
—Wildlife

Centrarchus species
USE Sunfishes

Centrifugal force 2011
UF Forces (centrifugal)
RT —Acceleration (physics)
Centrifuges
—Loads (forces)
Rotation

Centrifugal pumps 1311
BT —Equipment
—Hydraulic machinery
—Machines
—Pumps
—Rotary pumps
RT Feed pumps
Impellers
Mixed flow pumps
Propeller pumps
Reciprocating pumps
—Turbines

Centrifugation 1302.1 1402
BT —Separation
—Separation techniques
RT —Analytical techniques
Centrifuges
Dewatering
—Extraction
Filtration
—Water purification

Centrifuges 1402
BT —Equipment
RT Centrifugal force
Centrifugation
Concentration
Laboratory equipment
—Mixers
—Separation techniques
—Test equipment

Centripetal force 2011
UF Forces (centripetal)
RT —Acceleration (physics)
—Loads (forces)
Rotation

Ceramic materials 1102
BT —Building materials
—Construction materials
—Materials
NT Bricks
Drain tiles
Tiles
RT Abrasives
Brick masonry
Bubbling pressure
Burning
Clay masonry
—Clay minerals
—Clays
—Glass
Kaolin
—Masonry

Ceratopogonids
USE Midges

Cercariae
USE Trematodes

Cereal crops 0204
BT —Agronomic crops
—Crops
—Field crops
—Grasses
—Monocots
—Pla[illegible] (botany)
NT Ba[illegible]
Corn [illegible]ld)
Oats
Rice
Wheat
RT Grains (crops)
Plant groupings
—Soil management
Sorghum
Wild rice

Cesium 0702
BT —Alkali metals
—Chemical elements
—Metals
RT Cesium compounds

Cesium compounds 0702 0703
BT —Chemical compounds
RT Cesium

Cesspools 1302.1
RT —Disposal
Domestic wastes
Leaching
Septic tanks
Sewage disposal
Sewage treatment plants
—Sewage works
Sumps
—Waste disposal
—Waste water disposal

Chains 1305
RT —Fasteners
—Mechanical fasteners
Power transmission (mechanical)

Chalk 0807
BT —Calcareous rocks
—Calcium carbonate
—Calcium compounds
—Carbonates
—Inorganic compounds
—Limestone
—Rocks
RT Calcite
—Carbonate rocks
Lime
—Sedimentary rocks

Chalking 1113
RT Deterioration
Disintegration
Efflorescence
—Paints
Weathering

Chamaecyparis species
USE White-cedar trees

Change orders 0501
BT —Contract administration
—Contracts
RT —Agreements
Claims (contracts)
Design improvements
Design modifications
—Legal aspects
Negotiations

Changula hyemalis
USE Oldsquaw duck

Channel beams
USE Structural shapes

Channel beds 0808
BT —Beds
RT Banks
Bed movements
Bed ripples
Channel erosion
—Channel flow
Channel improvements
Channel morphology
—Channels
Dry beds
Movable bed models
River beds
—Rivers
Stream channels

Channel catfish 0603.2
UF Ictalurus punctatus
BT —Animals
—Aquatic animals
—Aquatic life
—Catfishes
—Fish
—Freshwater fish
—Pan fish
—Wildlife

Channel control (river)
USE River training

Channel design 1313.1
(restricted to the design of waterways)
BT —Design
RT Bank protection
—Canals
Channel improvements
Chezy equation
Flood protection
Floodways
Kutter formula
Mannings equation
Open channel flow
Stable channels
Stream channels
—Waterways

Channel erosion 0808
BT —Erosion
RT Bank erosion
Banks
—Beds
Channel beds
Channel improvements
Channel morphology
Channel protection
—Channels
Groins (structures)
Gully erosion
Revetments
Rill erosion
River currents
River training
Saltation
Sediment control
Soil erosion
Stream erosion

Channel flow 2004
BT —Flow
—Movement
NT Low flow
Natural flow
Open channel flow
Regulated flow
—River flow
—Streamflow
RT Channel beds
Channel morphology
—Channels
—Closed conduit flow
—Conduits
—Discharge (water)
Flow patterns
—Fluid flow
High velocity
—Hydraulics
Large watersheds
Mannings equation
Pipe flow
Roughness (hydraulic)
Tailrace

Channel improvements 1313.1
UF Rectification (channel)
RT Bank stability
Bypasses
Channel beds
Channel design
Channel erosion
Channel morphology
Channel protection
—Channels
Cutoffs
Desilting
Desilting method
Dredging
Flood control
Flood protection
Floodways
Groins (structures)
Jacks (structural shape)
Riprap
River training
Sediment control
—Slope stability
Stable channels
Stream channels
Stream erosion
Stream improvement
Stream meandering
Stream stabilization
Tailrace

Channeling 1302
RT —Channels
Drainage engineering
Furrow systems
Irrigation engineering

Channel morphology 0808
RT Alluvial channels
Alluvial streams
Banks
—Beds
Channel beds
Channel erosion
—Channel flow
Channel improvements
—Channels
Depth
—Discharge (water)
Distribution patterns
—Hydraulics
Regime
—Shape
—Slopes
—Waterways
Width

Channel protection 1313.1
RT Bank protection
Channel erosion
Channel improvements
Flood control
Flood protection
Groins (structures)
Jacks (structural shape)
Revetments
Riprap
Stream erosion
Tailrace

Channel rectification
USE River training

Channel roughness
USE Roughness (hydraulic)

Channels 0808
BT —Waterways
NT Alluvial channels
Approach channels
—Canals
Concrete-lined canals
Earth-lined canals
Entrance channels
Floodways
—Flumes
Grassed waterways
—Inland waterways
Intake channels
—Irrigation canals
—Laterals
—Lined canals
Navigable rivers
—Open channels
Spawning channels
Stable channels
Stream channels
Tailrace
Trapezoidal channels
Trapezoidal flumes
Unlined canals
RT Banks
—Beds
—Bends (hydraulic)
Bypasses
Canyons
Channel beds
Channel erosion
—Channel flow
Channel improvements
Channeling
Channel morphology
—Closed conduits
—Conduits
—Ditches
—Drains
Fixed-bed models
Flood routing
Gully erosion
Guts
—Hydraulics
Inlets (waterways)
Lagoons (landforms)
—Linings
Meanders
Reaches (distance)
Regime

Channels (Con.)
Regimen
Rill erosion
River beds
Roughness (hydraulic)
–Routing
–Running waters
Scour
Sedimentology
Sewers
Siphons
Sluices
Stage-discharge relations
–Streamflow
–Streams
Surface drainage
Thalweg
Washouts
Water conveyance
–Water loss
Wave pile-up

Channels (river)
USE Stream channels

Channels (stable)
USE Stable channels

Channels (stream)
USE Stream channels

Channels (trapezoidal)
USE Trapezoidal channels

Chaoborus
USE Diptera

Chaparral 0603.1
BT –Brush
–Crops
–Dicots
–Horticultural crops
–Phreatophytes
–Plants (botany)
RT Arid lands
–Desert plants
Mesquite
Oak trees
Rabbitbush
Range management
Ranges
Sagebrush
–Trees
–Weed control

Chara 0613
BT –Algae
–Aquatic algae
–Aquatic life
–Aquatic plants
–Chlorophyta
–Plants (botany)

Characteristic hydrographs
USE Hydrographs

Characteristics 1407
RT –Animal behavior
–Curves
Human behavior
–Instrumentation
–Machines
–Properties

Charges (explosives) 1303 1901
UF Explosive charges
BT –Explosives
RT –Blasting
–Blasts
Cratering
Demolition
Detonation
–Earthworks
–Excavation
Explosive construction
–Explosive excavation
Fuses (explosions)
Nitroglycerin
Overbreak
Presplit blasting
Quarrying
Rock excavation

Charts 1405
NT Bar graphs
Flow charts
Influence charts
Organization charts
RT Area capacity curves
Data collections
Data reduction
–Diagrams
Drawings
Experimental data
Graphical analysis
–Hydrographs
Hyetographs
Logs
–Maps
Navigation
Nomographs
Plans
Scale (ratio)
–Statistical analysis
Synoptic analysis
–Tables (data)
Visual aids
Weather data

Charts (mollier)
USE Steam tables

Charts (organization)
USE Organization charts

Check dams 1313.1
BT –Check structures
–Dams
–Engineering structures
–Hydraulic structures
–Structures
RT –Barriers
Control structures
Detention reservoirs
Dikes
Diversion dams
–Erosion control
Flood control
Levees
Retention dams

Check structures 1313.1
BT –Engineering structures
–Hydraulic structures
–Structures
NT Check dams
RT –Barriers
–Concrete structures
Control structures
–Dams
Dikes
–Erosion control
Flashboards
–Gates
–Hydraulic gates
Levees
Locks (waterways)
–Retaining walls
Spillway piers
Streamflow regulation

Check valves 1311
BT –Hydraulic valves
–Valves
RT Butterfly valves
Emergency closures
Flap valves

Chelation 0704
BT –Chemical properties
–Chemical reactions
RT –Chemistry
–Desalination

Chemcontrol 0606
UF Chemical control
BT –Control
RT –Agricultural chemicals
–Application methods
–Chemicals
Defoliants
Desiccants
Evaporation control
Fallowing
Inhibitors
Insect control
Integrated control measures
–Pest control
–Physical control
Rates of application
–Retardants
–Sterilants
Transpiration control
Water pollution sources

Chemical analysis 0704
BT –Analysis
NT –Chromatography
Colorimetry
Differential thermal analysis
Flame photometry
Fluorometry
Gravimetric analysis
Infrared spectroscopy
Neutron activation analysis
Polarographic analysis
Qualitative analysis
–Quantitative analysis
Radiochemical analysis
Volumetric analysis
Water analysis
RT –Assay
Bioassay
Chemical dilution method
–Chemistry
Electrophoresis
Gas chromatography
–Geochemistry
–Hygrometry
–Instrumentation
–Microscopy
Mineral analysis
Mineral content
–Optical measurement
Oxygen content
–Photometry
Soil analysis
Spectrometers
–Spectrometry
Spectrophotometry
–Spectroscopy
–Tests
–Thermal analysis
X-ray diffraction
X-ray fluorescence
X-ray spectroscopy

Chemical compounds 0702 0703
NT –Alcohols
–Aldehydes
Alkaloids
Alkylbenzene sulfonates
–Aluminum compounds
Alums
Amino acids
Ammonia
Ammonium salts
Anhydrite
–Aromatic compounds
–Arsenic compounds
Benzene
Bicarbonates
Boron compounds
Cadmium compounds
–Calcium carbonate
Calcium chloride
–Calcium compounds
Calcium hydroxide
–Calcium sulfate
–Carbamate pesticides
–Carbohydrates
–Carbonates
–Carbon compounds
Carbon dioxide
Carbon monoxide
Cellulose
Cesium compounds
–Chlorides
–Chlorinated hydrocarbon pesticides
–Chlorine compounds
Chlorophyll
Chromium compounds
Cobalt compounds
Copolymers
–Copper compounds
Copper sulfate
Creosote
Diazinon
Ethers
Ethylene glycol
Ferrites
Fluorescein
Fluorides
–Fluorine compounds
Fulvic acids
Fused salts
Germanium compounds
–Halides
Hexadecanol
Hydrates
–Hydrocarbons
Hydrogen sulfide
–Inorganic compounds
–Inorganic pesticides
–Iron compounds
Iron oxides
Lead compounds
–Lignins
Linear alkylate sulfonates
Lipids
Lithium compounds
Magnesium carbonates
–Magnesium compounds
Magnesium hydroxide
Manganese compounds
Mercury compounds
Molybdenum compounds
Monomers
Monuron
Nickel compounds
Niobium compounds
–Nitrates
Nitrites
–Nitrogen compounds
Nitroglycerin
Octadecanol
–Organic acids
Organic compounds
–Organophosphorus compounds
–Organophosphorus pesticides
–Oxides
Paraquat
Peptides
Phenols
–Phosphates
–Phosphorus compounds
–Phosphothioate pesticides
Platinum compounds
Polymers
Potassium carbonate
–Potassium compounds
–Proteins
Radium compounds
–Salts
Selenium compounds
Silica
–Silicates
–Silicon compounds
Silicones
–Silver compounds
Silver iodide
Sodium arsenite
Sodium carbonate
Sodium chloride
–Sodium compounds
Sodium nitrates
Sodium phosphates
Sodium silicate
Sodium sulfate
Soluble salts
–Sulfates
–Sulfides
Sulfite liquors
–Sulfonates
–Sulfur compounds
Sulfuric acid
Tin compounds
Titanium compounds
Tungsten compounds
–Urea pesticides
–Ureas
Urine
Vanadium compounds
Zinc compounds
RT –Chemical elements
–Chemical reactions
–Chemicals
–Chemistry
Molecular weight
Molecules

Chemical control
USE Chemcontrol

Chemical degradation 0703
BT –Decomposition
–Degradation
–Degradation (decomposition)
NT Sulfate attack
RT –Biodegradation
–Chemical reactions
–Corrosion
Hydrolysis
Oxidation
Pitting
Rock alteration
Rusting
Sewage stabilization
–Sewage treatment
Sludge digestion
Sludge treatment

Chemical dilution method 0808
BT –Water measurement
RT –Chemical analysis
Gibson method

Chemical dilution method (Con.)
Mixing length
Pipe flow
—Potassium compounds
Pump tests
Turbine efficiency

Chemical elements 0702
UF Elements (chemical)
NT —Alkali metals
—Alkaline earth metals
—Alloys
Aluminum
Argon
Barium
Boron
Bromine
Cadmium
Calcium
Carbon
Cast iron
Cesium
Chlorine
Chromium
Chromium alloys
Cobalt
Copper
Ferrites
Fluorine
Germanium
Gold
—Halogens
—Heavy metals
Helium
High strength steels
Hydrogen
—Inert gases
—Iron
Lead (element)
Lithium
Lithium alloys
Magnesium
Manganese
Mercury (metal)
—Metals
Molybdenum
Neon
Nickel
Niobium
Nitrogen
—Nonmetals
—Oxygen
—Phosphorus
Phosphorus radioisotopes
Platinum
—Plutonium
Plutonium radioisotopes
—Potassium
Potassium radioisotopes
—Radium
Radium radioisotopes
Selenium
Silicon
Silver
Sodium
Sodium radioisotopes
Sulfur
Tin
Titanium
Tungsten
Vanadium
Zinc
RT Atoms
—Chemical compounds
—Chemicals
—Chemistry
—Ions
—Isotopes
—Radioisotopes
Stable isotopes

Chemical engineering 0701
Use of a more specific term is recommended
UF Chemical engineers
Engineers (chemical)
BT —Engineering
RT —Chemical properties
—Chemical reactions
Chemical wastes
—Chemistry
Materials handling

Chemical engineers
USE Chemical engineering

Chemical grouts 1303
RT Cement grouts
—Chemical reactions
—Chemicals
Chemical sealants
Chrome lignins
Grout curtains
—Grouting
—Silicates
Sodium silicate

Chemical oxygen demand 0703
UF C.O.D.
BT —Oxygen demand
RT Biochemical oxygen demand
—Chemical properties
Dissolved oxygen
—Indicators
—Oxygen
Water analysis
—Water pollution
Water properties
—Water quality

Chemical potential 0704
BT —Chemical properties
RT —Chemical reactions
—Chemistry
—Energy
Ionization
Oxidation-reduction potential
—Water chemistry

Chemical precipitation
USE Precipitation (chemistry)

Chemical properties 0704
BT —Properties
NT Acidity
Alkali aggregate reactions
Alkalinity
Ammonification
—Cement-aggregate reaction
Chelation
Chemical potential
Chemical stability
Chlorination
Combustion
Corrosion resistance
—Decomposition
Denitrification
—Diffusion
—Durability
Electrokinetic potential
Freeze-thaw durability
Hardness (water)
Heat of hydration
Hydrogenation
Hydrolysis
Jet diffusion
Latent heat
Molecular weight
—Osmosis
Oxidation
Oxidation-reduction potential
pH
Photosynthesis
Polymerization
Reverse osmosis
Salinity
Soil chemical properties
Solubility
Solvation
Thermal diffusion
—Water quality
—Wear resistance
RT Biochemistry
—Biological properties
Chemical engineering
Chemical oxygen demand
—Chemical reactions
—Chemicals
Chemical stratification
—Chemistry
Concrete properties
—Corrosion
—Electrical properties
Electrochemistry
Electrophoresis
—Geochemistry
—Limnology
—Luminescence
—Magnetic properties
—Materials tests
—Mechanical properties
Molecular structure
Odor
Physical chemistry
—Physical properties
Physicochemical properties
Precipitation (chemistry)
Rock properties
Soil chemistry
—Stability
—Surface properties
Taste
—Thermal properties
—Toxicity
Water properties

Chemical reactions 0704
UF Reactions (chemical)
NT Alkali aggregate reactions
Ammonification
—Cement-aggregate reaction
Chelation
Chlorination
Combustion
—Decomposition
Denitrification
Hydrogenation
Hydrolysis
Ionization
Neutralization
Nitrification
Oxidation
Photosynthesis
Polymerization
Reduction (chemical)
Solvation
Thermal decomposition
RT Accelerating (chemistry)
—Biodegradation
Buffers (chemistry)
Catalysts
—Chemical compounds
—Chemical degradation
Chemical engineering
Chemical grouts
Chemical potential
—Chemical properties
—Chemicals
Chemical stability
—Chemistry
—Conversion
—Corrosion
Dehydration
Free energy
Heat of hydration
Hydrate processes
Hydration
—Ions
Oxidation-reduction potential
Physical chemistry
Physicochemical properties
Precipitation (chemistry)
Rusting
—Separation techniques
Slaking
Sulfate attack
Synthesis
—Water chemistry

Chemicals 0704
Use of a more specific term is recommended
NT Acaricides
—Acids
—Additives
—Admixtures
—Agricultural chemicals
Aldrin
Algal toxins
Algicides
Aliphatic pesticides
—Alkalis (bases)
Amino acids
Aminotriazole
Ammonium salts
Antibiotics (pesticides)
—Antihelminthes (pesticides)
Antiprotozoals (pesticides)
—Arsenicals (pesticides)
Avicides
Bactericides
Bicarbonates
Buffers (chemistry)
Calcium chloride
Calcium hydroxide
—Carbamate pesticides
—Chlorinated hydrocarbon pesticides
—Concrete additives
2,4-D
Dalapon
DDT
Deflocculants
Defoliants
Detergents
Diazinon
2,6-Dichlobenil
Dieldrin
Diquat
—Dispersants
—Dyes
Emulsifiers
Endrin
Fish toxins
Flocculants
Fluorescein
Fulvic acids
—Fumigants
Fungicides
Fused salts
Gametocides
Heptachlor
—Herbicides
Humic acids
—Inorganic pesticides
—Insecticides
Larvicides
Lime
Linear alkylate sulfonates
Metal organic pesticides
Mine acids
Molluscacides
Nematocides
—Organic acids
—Organic pesticides
—Organophosphorus pesticides
Ovicides
Oxidizers
Paraquat
—Pesticides
Phenolic pesticides
—Phosphothioate pesticides
Piscicides
Plant growth regulators
—Poisons
Post-emergents
Pre-emergents
Pyridine pesticides
Reducing agents
Rodenticides
—Salts
Sodium arsenite
Sodium chloride
Soil dispersants
Soil sterilants
Soluble salts
Spirochetalcides (pesticides)
Sulfuric acid
2,4,5-T
Thiocarbamate pesticides
—Toxins
Triazine pesticides
Triazole pesticides
Uracil pesticides
—Urea pesticides
Venoms
Viricides
Water-reducing agents
Wetting agents
Wood preservatives (pesticides)
RT Algal nutrients
Antimycin A
Catalysts
Chemcontrol
—Chemical compounds
—Chemical elements
Chemical grouts
—Chemical properties
—Chemical reactions
Chemical warfare
Chemical wastes
—Chemistry
Coagulants
Desiccants
Emulsifying agents
Fertilizers
Fuels
—Grouting
—Indicators
—Nitrogen compounds
—Nutrients
—Radioisotopes
—Solutions
—Solvents
Stable isotopes

Chemical sealants 1101
BT —Sealants
RT Chemical grouts
Impregnation
—Linings
—Plugs
Sealing compounds
Seepage control
Soil sealants
Soil stabilization
Watertight

Chemical stability 0704
BT –Chemical properties
–Stability
RT Aging (physical)
Cathodic protection
–Chemical reactions
–Corrosion
–Corrosion control
Corrosion resistance
–Decomposition
–Degradation
–Degradation (decomposition)
Deterioration
–Inert gases
Passive metals
Solidification
Solubility
Sulfate attack
Weathering

Chemical stratification 0704
BT –Stratification
RT –Chemical properties
Water properties

Chemical warfare 1502
UF Warfare (chemical)
RT –Chemicals
Civil defense
Desiccants
Military aspects
–Poisons
Water pollution sources

Chemical wastes 0701
BT –Wastes
RT –Acids
–Agricultural chemicals
Chemical engineering
–Chemicals
Detergents
Fuels
–Heavy metals
–Industrial wastes
–Mine wastes
–Nitrates
Oil wastes
Oily water
–Organic wastes
Pesticide residues
Phenols
Pulp wastes
Radioactive wastes
–Sewage

Chemistry 0700
Use of a more specific term is recommended
BT –Sciences
NT Electrochemistry
–Geochemistry
Physical chemistry
–Radiochemistry
Soil chemistry
Water analysis
–Water chemistry
RT –Analytical techniques
Biochemistry
Buffers (chemistry)
Chelation
–Chemical analysis
–Chemical compounds
–Chemical elements
Chemical engineering
Chemical potential
–Chemical properties
–Chemical reactions
–Chemicals
Chemistry of precipitation
Phase studies
Physicochemical properties
Precipitation (chemistry)
Radiochemical analysis

Chemistry of precipitation 0402
(restricted to atmospheric precipitation)
RT –Chemistry
Cloud physics
Cloud seeding
–Condensation
–Meteorology
Nucleation
–Precipitation (atmospheric)
Precipitation (chemistry)
–Rainfall

Chemosterilants
USE Sterilants

Chen caerulescens
USE Blue goose

Chen hyperborea
USE Snow goose

Chernozems 0807
BT –Soil groups
RT –Alkaline soils
–Calcareous soils
Chestnut soils
–Corn belt
–Grasslands
–Pedalfers
–Pedocals
Prairie soils
Semiarid climates
Subhumid climates
Temperate

Chert 0807
BT –Rocks
–Sedimentary rocks
RT Quartz
Silica

Chestnut soils 0807
BT –Alkaline soils
–Calcareous soils
–Earth materials
–Pedocals
–Soil groups
–Soils
–Soil types
RT Brown soils
Chernozems
–Grasslands
Semiarid climates
Subhumid climates
Temperate

Chezy equation 2004
BT –Equations
RT Canal design
Channel design
Darcy-Weisbach equation
Discharge measurement
Hydraulic radius
Kutter formula
Mannings equation
Reynolds number
Roughness (hydraulic)
Uniform flow

Chickens
USE Poultry

Chimney drains 0808.1 1313.1
BT –Drains
RT Dam design
–Earth dams
Vertical drains

Chimneys 1313.4
UF Flues
RT Boilers
Building codes
–Buildings
Smoke
Vents

Chinook 0402
UF Foehn
BT –Hot winds
–Wind (meteorology)
RT Mountains
Orography

Chinook salmon 0603.2
UF Oncorhynchus tshawytscha
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Salmon
–Salmonids
–Wildlife
RT –Freshwater fish
–Marine fish

Chipping hammers 1309
BT –Hammers

Chironomids
USE Diptera

Chiselling 0204
BT –Cultivation
–Land management
–Soil management
RT Deep percolation
–Drainage
Infiltration
Mole drainage
Plowing
–Water management (applied)

Chlamydomonas 0613
BT –Algae
–Aquatic life
–Aquatic plants
–Chlorophyta
–Plants (botany)
RT –Aquatic algae
–Aquatic microorganisms
Soil algae

Chlorella 0613
BT –Algae
–Chlorophyta
–Plants (botany)
RT –Aquatic algae
–Aquatic microorganisms
–Aquatic plants
Sewage lagoons

Chlorides 0702
BT –Chemical compounds
–Halides
–Inorganic compounds
NT Calcium chloride
Sodium chloride
RT Chlorine
Saline soils
–Salts

Chlorinated hydrocarbon pesticides 0606
BT –Chemical compounds
–Chemicals
–Halogenated pesticides
–Organic compounds
–Organic pesticides
–Pesticides
NT Aldrin
2,4–D
Dalapon
DDT
2,6–Dichlobenil
Dieldrin
Endrin
Heptachlor
Monuron
2,4,5–T

Chlorination 0702
UF Chlorinators
BT –Chemical properties
–Chemical reactions
RT Biochemical oxygen demand
Chlorine
Disinfection
Odor
–Sewage treatment
Sludge disposal
–Treatment
–Water purification
–Water treatment
Water treatment plants

Chlorinators
USE Chlorination

Chlorine 0702
BT –Chemical elements
–Halogens
–Nonmetals
RT Bromine
–Chlorides
Chlorination
–Chlorine compounds

Chlorine compounds 0702 0703
BT –Chemical compounds
NT Calcium chloride
Sodium chloride
RT Chlorine
–Fluorine compounds
–Halides

Chlorine radioisotopes 1802
BT –Isotopes
–Radioisotopes

Chlorophyll 0601
BT –Chemical compounds
–Magnesium compounds
–Organic compounds
–Pigments
–Plant pigments
RT Photosynthesis

Chlorophyta 0613
UF Algae (green)
Green algae
BT –Algae
–Plants (botany)
NT Chara
Chlamydomonas
Chlorella
Scenedesmus
RT –Aquatic algae
–Aquatic microorganisms
–Aquatic plants

C horizon 0807
BT –Soil horizons
RT Agronomy
A horizon
B horizon
Land classification
Soil profiles

Chromatography 0704
BT –Analysis
–Analytical techniques
–Chemical analysis
–Separation techniques
NT Gas chromatography
RT –Adsorption
Colorimetry
–Instrumentation
Qualitative analysis
–Quantitative analysis
Sorption

Chrome lignins 0703
BT –Hydrocarbons
–Lignins
–Organic compounds
RT Chemical grouts
Soil stabilization

Chromium 0702
BT –Chemical elements
–Metals
RT Chromium alloys
Chromium compounds
–Refractory metals
–Steel

Chromium alloys 1106
BT –Chemical elements
–Metals
RT Chromium
–Heat resistant alloys
Stainless steel
–Steel

Chromium compounds 0702 0703
BT –Chemical compounds
RT Chromium

Chromosomes 0616
RT Cytological studies
–Genetics

Chronographs
USE Chronometers

Chronometers 1402
UF Chronographs
BT –Clocks
–Equipment
–Instrumentation
–Measuring instruments
–Test equipment
RT Timing

Chrysophyta 0613
BT –Algae
–Plants (botany)
NT Ochromonas
RT –Aquatic algae
Diatoms
Soil algae

Chum salmon 0603.2
UF Oncorhynchus keta
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Salmon
–Salmonids
–Wildlife
RT –Freshwater fish

Chum salmon (Con.)
–Marine fish

Chute blocks 1313.1
RT Baffles
Chutes
Chute spillways
–Concrete structures
Dentated sills
Drops (structures)
–Energy dissipation
Hydraulic jump
Jet diffusion
–Outlet works
–Spillways
Stilling basins

Chutes 1313.1
BT –Conveyance structures
–Hydraulic structures
RT Bypasses
Chute blocks
–Concrete structures
–Conveyors
Dentated sills
Diversion structures
–Engineering structures
Flood control
Guide walls
Rectangular conduits.
Skids
Sloping intake structures
Slug flow
Sluices
–Spillways
Wasteways

Chute spillways 1313.1
BT –Hydraulic structures
–Spillways
RT –Canals
Chute blocks
–Concrete structures
Control structures
–Dams
Diversion structures
Flashboards
Flood control
–Floods
Slug flow
Sluices
Spillway crests
Spillway gates
Stilling basins

Cichlids 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Freshwater fish
–Wildlife
NT Tilapia

Ciliates
USE Protozoa

Cinders 1107
BT –Granular materials
RT –Aggregates
Clinker
–Coal
Cohesionless soils
–Gravels
Lava
Lightweight aggregates
Slags
Volcanic ash
Volcanoes

Cipolletti weirs 1402
BT –Weirs
RT Broad-crested weirs
Discharge measurement
Flow measurement
Rectangular weirs
Sharp crested weirs
Staff gages
Submerged weirs
Vee-notched weirs
–Water measurement
Weir crests
Weir ponds

Circles (geometry) 1201 1409
BT –Geometric shapes
NT –Stress circle
RT –Curves
Geometry
Helixes
Horizontal curves
Spheres
Spirals

Circuit breakers 0901
BT –Control equipment
–Electrical equipment
–Electric switches
NT Airblast circuit breakers
RT Circuit protection
Electrical restrikes
Electric relays
Insulating oil
Interrupters
Interrupter switches
Interrupting capacity
Load rejection
Mobile substations
Overloads
–Protection (electrical)
Switchgear
Switching
Switching circuits
Transformer oils

Circuit protection 0901
BT –Protection (electrical)
RT Air gaps
Capacitors
–Circuit breakers
–Circuits
–Electrical faults
Electrical grounding
Electrical insulation
Electric fuses
Lightning arresters
Overvoltage
Substations (electrical)
–Transformers
–Transmission (electrical)

Circuitry
USE Circuits

Circuits 0901 0905
UF Circuitry
Electric circuits
NT Delay circuits
Integrated circuits
Switching circuits
Timing circuits
RT Amplifiers
Circuit protection
Circuit testers
Electrical design
Electrical grounding
–Electric cables
–Electric current
Electric power distribution
Electric shunts
Electric wiring
Electron tubes
–Interconnected systems
Network analysis
Network design
–Protection (electrical)
Short circuits
Signal generators
–Transmission lines
Wood-pole transmission lines

Circuit testers 1402
RT –Circuits
–Electric conductors
–Electric current

Circulation 1407
BT –Movement
NT Air circulation
Circulation (animals)
Circulation (plants)
Convection
Ocean circulation
–Water circulation
RT –Diffusion
Dispersion
Hydrologic cycle
Mixing
Mixing length
–Ocean currents
Rotation
–Routing
Water recirculation

Circulation (animals) 0616
BT –Circulation
–Movement
RT Air circulation
–Animal physiology
Microenvironment
Respiration
Transpiration

Circulation (plants) 0603.1
BT –Circulation
–Movement
RT –Absorption
Air circulation
Capillary action
Consumptive use (water)
Hydrologic cycle
–Ion transport
Microenvironment
Osmotic pressure
Plant physiology
–Transfer
Translocation
Transpiration
–Water utilization

Circumferential joints 1305
BT –Joints (connections)
RT –Construction joints
Contraction joints
Expansion joints
Joint fillers
–Leakage
Longitudinal joints
Pipe joints
–Pipes
–Sealants
Transverse joints
Welded joints

Circumferential stress 2012
UF Hoop stress
BT –Stress
RT Radial loads
Radial stress
Tangential stress
Vane shear tests

Cirques 0807
BT –Land forms
RT –Basins
Closed basins
Geomorphology
–Glacial geology
Glaciation
Glaciers
Mountains
Rock glaciers

Cirrus clouds 0402
UF Clouds (cirrus)
BT –Clouds
RT –Atmosphere
Cloud cover
Cloud physics
Cumulus clouds
–Fog
Haze
Smog
Stratus clouds
Weather

Cisco 0603.2
UF Coregonus species
Lake herring
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Freshwater fish
–Herrings
–Salmonids
–Wildlife

Cisterns 1302.6
BT –Containers
–Water tanks
RT Concrete tanks
–Engineering structures
Rain water
–Tanks (containers)
Underground
Water harvesting
–Water storage

Cities 0806
UF Metropolitan studies
RT City planning
Civil service
Government employees
–Industries
Local governments
Municipalities
Municipal wastes
Public health
Sewers
Storm drains
Treatment facilities
Urban areas
Urbanization
–Utilities
Water resources development
–Zoning

Citrullus vulgaris
USE Melons

Citrus aurantifolia
USE Limes

Citrus fruits 0204
BT –Crops
–Dicots
–Fruit crops
–Horticultural crops
–Plants (botany)
–Stone fruits
NT Grapefruit
Lemons
Limes
Oranges
RT Plant groupings

Citrus limonia
USE Lemons

Citrus paradisi
USE Grapefruit

City planning 1302
UF Urban planning
BT –Planning
RT Aesthetics
–Air pollution
Area redevelopment
Cities
Community development
–Highways
Municipalities
Municipal water
Parking areas
–Public utilities
Residences
Urbanization
Urban renewal
Urban sociology

Civil defense 1503
BT –National defense
RT Chemical warfare
Disasters
Fallout
Nuclear explosions
–Public utilities
Shelters
–Warning systems
Water supply

Civil engineering 1302
Use of a more specific term is recommended
UF Civil engineers
Engineers (civil)
BT –Engineering
NT Coastal engineering
Drainage engineering
Highway engineering
Hydraulic engineering
Sanitary engineering
Soil engineering
Structural engineering
RT –Bridges (structures)
–Concrete technology
–Construction
Engineering geology
–Engineering structures
Feasibility studies
–Hydraulics
–Land management
Marine engineering
Mechanical engineering
Military aspects
Mining engineering
–Public utilities
Railroads
Second order surveys
Soil conservation
Soil mechanics
Space engineering
–Surveying
–Transportation
–Tunnels
–Water resources

Civil engineering (Con.)
Water supply systems

Civil engineers
USE Civil engineering

Civil law 0504.1
NT Torts
RT –Acequias
–Prior appropriation
Pueblo water rights
–Riparian rights
–Water law

Civil service 0509
RT Careers
Cities
–Classifications
Federal agencies
Federal budgets
Federal government
Federal jurisdiction
Government employees
–Governments
Local governments
–Organizations
–Personnel
Personnel management
Public services
Public works
Salaries
State governments

Civil service employees
USE Government employees

Cladding 1308
RT Cavitation resistance
–Coatings
–Composite materials
–Laminates
Metal coatings
Plating
Rolling
Sheathing
–Surfacing

Cladocera
USE Crustaceans

Claims (contracts) 0501 0504.1
BT –Contract administration
–Contracts
RT Change orders
Contracting
Litigation
Negotiations

Clamps 1305
RT –Fasteners
–Mechanical fasteners
Straps

Clams 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Benthic fauna
–Benthos
–Commercial shellfish
–Invertebrates
–Mollusks
–Shellfish
RT Mussels
Oysters

Clamshells 1303
BT –Construction equipment
–Earth handling equipment
–Equipment
–Excavators
RT Draglines
Dredges
Shovels

Clarity 1407
RT Communication
Grammars
Ideas
Opacity
Purification
–Technical writing
Turbidity

Classification (documentation)
USE Subject indexing

Classifications 1407
UF Categories
NT Field classifications
Land classification
Soil classifications
Visual classifications
RT Catalogs
Civil service
Directories
–Documentation
–Evaluation
Gradation
Grain shapes
Indexes (documentation)
–Indexing
Libraries
Personnel management
–Petrography
–Subject indexing
–Systematics

Classifications (biological)
USE Systematics

Clathrates 0702
BT –Crystals
RT Hydrate processes
Hydrates

Clay loam 0807
BT –Loams
–Soils
–Soil types
RT –Clays
Cohesive soils
Soil texture

Clay masonry 1303
BT –Masonry
RT Adobe
Brick masonry
Bricks
–Building materials
–Cements
–Ceramic materials
–Clays
–Construction materials
–Mortars

Clay minerals 0807
BT –Inorganic compounds
–Minerals
–Silicates
NT Beidellite
Bentonite
Illite
Kaolinite
–Montmorillonite
Vermiculite
RT Adobe
Anion adsorption
–Ceramic materials
–Clays
–Expansive clays
Kaolin
Soil structure

Clay pipes 1311
BT –Closed conduits
–Conduits
–Conveyance structures
–Pipes
RT –Drains
Drain tiles
French drains
Sewers

Clays 0807
UF Clays (plastic)
Clays (sensitive)
Clays (varved)
Fat clays
Fissured clays
Lean clays
Plastic clays
Sensitive clays
Varved clays
BT –Earth materials
–Finegrained soils
–Fines
–Fine-textured soils
–Materials
–Soils
–Soil types
NT Adobe
Bentonite
–Expansive clays
Kaolin
Marine clays
Organic clays
Quick clays
RT –Atterberg limits
Binders
Bottom sediments
Bricks
Caliche
–Ceramic materials
Clay loam
Clay masonry
–Clay minerals
Clay shales
Claystones
Cohesive soils
Cohesive strength
–Colloids
Compressible soils
–Expansive soils
Grain sizes
–Grouting
Gumbo
Hardpan
Impervious soils
Kaolinite
Lacustrine deposits
Lake soils
–Loams
Muck
Mud
Mudstone
Particle size
Powders
Relative consistency
–Silicates
Siltstone
Silty loams
Soil components
Vermiculite
Waterlogged land

Clays (glacial)
USE Glacial deposits

Clays (lacustrine)
USE Lacustrine deposits

Clays (plastic)
USE Clays

Clays (sensitive)
USE Clays

Clays (varved)
USE Clays

Clay shales 0807
BT –Rocks
–Sedimentary rocks
–Shale
RT –Clays
Claystones
Mudstone
Slaking

Claystones 0807
BT –Rocks
–Sedimentary rocks
RT –Alluvial deposits
–Clays
Clay shales
Mudstone
Sandstone
–Shale
Siltstone

Cleaning 1308
RT Abrasive blasting
Adsorbents
Decontamination
Detergents
Dust control
–Finishing
Panning
Preventive maintenance
–Processing
Purification
–Separation
Soaps
–Solvents
Surface preparation
–Treatment

Clearances 1407
RT Alinement
Spacing
Tolerances (mechanics)

Clear-cutting 0206
BT –Cutting management
–Water resources management
RT –Clearing
Forest management
Land clearing
Lumbering
–Runoff
–Succession
Vegetation regrowth
Watershed management
–Water yield
Water yield improvement
–Weed control

Clearing 1315
NT Land clearing
Reservoir clearing
RT Brush control
Bulldozers
Clear-cutting
–Earthworks
Lumbering
–Removal
Stripping

Cleavage 1407
(excludes mitosis)
RT Brittleness
–Cracks
–Crystals
Fissures
–Fissures (geology)
Foliation
–Fractures
Fractures (geology)
Fragmentation
–Geologic structures
Rock breakage

Climate 0402
NT Arid climates
Cold climates
Humid climates
Semiarid climates
Subhumid climates
Wet climates
RT –Biomes
Climatic changes
Climatic zones
–Climatology
–Cold regions
–Geographical regions
–Geography
–Ocean currents
–Regions
Tundra

Climatic changes 0402
BT –Climatology
RT –Air pollution
Air temperature
Albedo
–Atmosphere
–Climate
–Clouds
–Environmental effects
–Environments
Glaciation
Heat balance
Solar radiation
Weather

Climatic climax 0606
BT –Climax
–Ecosystems
–Succession

Climatic data 0402
RT Average
–Climatology
Data collections
Degree days
–Documentation
Frequency curves
Hydrologic data
–Hydrometeorological station
Meteorological data
–Meteorology
–Networks
–Records
Regional analysis
–Tables (data)
Weather
Weather data

Climatic zones 0402
BT –Regions
RT Antarctic
Arctic
Arid climates
–Climate
–Climatology
Dry seasons

Climatic zones (Con.)
–Environments
–Geographical regions
–Geography
Polar regions
Subarctic
Subtropic
Temperate
Tropic

Climatology 0402
NT Climatic changes
Microclimatology
Paleoclimatology
RT Arid climates
–Atmosphere
Atmospheric pressure
–Climate
Climatic data
Climatic zones
–Clouds
–Condensation
Degree days
Dendrochronology
Dew point
Droughts
–Environments
–Evaporation
–Evapotranspiration
Frequency curves
–Geography
Glaciers
Growing period
–Heaving
Humidity
–Hydrometeorological station
–Ice
–Meteorology
Orography
–Periodic variations
Permafrost
–Precipitation (atmospheric)
–Radiation
–Rainfall
–Seasons
–Storms
Synoptic analysis
–Temperature
Topography
Transpiration
Tropical regions
Weather
Weather data
–Weather modification
–Wind (meteorology)

Climax 0606
BT –Ecosystems
–Succession
NT Climatic climax
Disclimax
Postclimax
Preclimax
Subclimax
RT Dominant organisms
–Lake stages

Clinker 1107
RT Cinders
Slags

Cloaca (zoological) 0616
RT Animal metabolism
–Animal physiology

Clocks 1402
BT –Equipment
–Instrumentation
–Measuring instruments
–Test equipment
NT Chronometers
RT Timing

Clogging 1407
RT Closing
Constrictions
Fouling
Oil wells
–Plugs

Closed basins 0808
BT –Basins
RT Catchments
Cirques
Depression storage
–Drainage
Groundwater barriers
Groundwater basins
–Lakes
Waterlogged land
–Watersheds (basins)

Closed conduit flow 2004
BT –Flow
–Movement
NT Pipe flow
RT –Bends (hydraulic)
–Channel flow
–Closed conduits
Flow patterns
Irrigation design
Water pipes

Closed conduits 1313.3
BT –Conduits
–Conveyance structures
NT Aqueducts
Asbestos-cement pipes
–Buried pipes
Capillary tubes
Cast-in-place pipes
Cast iron pipe
Clay pipes
Concrete pipes
Corrugated metal pipe
Drain tiles
Flexible pipes
Flexible tubing
Metal pipes
–Pipes
–Pitot tubes
Plastic pipes
Plastic tubing
Pressure pipes
Pretensioned pipes
Reinforced plastic pipe
Rigid pipes
–Rigid tubing
Rubber pipes
Siphons
Steel pipes
–Tubes
Vortex tubes
RT Air demand
Air traps
Bellmouths
–Channels
–Closed conduit flow
–Engineering structures
Hydraulic conduits
–Hydraulics
Irrigation design
Plumbing
Propeller meters
Sewers
Venturi meters
Water hammer
Water pipes

Closed conduit spillways 1313.1
BT –Hydraulic structures
–Spillways
RT Control structures
–Dams
Flip buckets
Flood control
Morning glory spillway
Overflow
Shaft spillways
Spillway crests
Stilling basins

Closing 1407
RT Capping
Clogging
Constrictions
–Plugs
Retarding

Clostridium 0613
BT –Anaerobic bacteria
–Bacteria
–Microorganisms
–Nitrogen fixing bacteria
–Plants (botany)
RT Botulism
Nitrogen fixation
–Soil bacteria
–Soil microorganisms

Closures 1305
NT Emergency closures
RT –Barriers .
Constrictions
–Fasteners
–Fittings
–Joints (connections)
–Plugs
–Seals (stoppers)
–Valves

Cloudbursts 0402
UF Intense rainfall
BT –Rainfall
–Storms
RT –Erosion
–Floods
Rain
Storm runoff
Surface runoff
Thunderstorms
Washouts

Cloud cover 0402
RT Cap clouds
Ceilings (meteorology)
Cirrus clouds
–Clouds
Cumulus clouds
–Energy budget
–Environmental effects
–Radiation
Stratus clouds

Cloud models 0402
RT Cloud physics
–Meteorology

Cloud modification 0402
BT –Weather modification
RT Cap clouds
Cloud physics
Cloud seeding
–Meteorology
Nuclei generators
Thunderstorms

Cloud physics 0401
BT –Atmospheric physics
–Meteorology
–Physics
RT –Atmosphere
Ceilings (meteorology)
Chemistry of precipitation
Cirrus clouds
Cloud models
Cloud modification
–Clouds
Convection clouds
Cumulus clouds
Hydrologic cycle
Lightning
Nuclei generators
Orographic clouds
Phase studies
–Physical properties
–Precipitation (atmospheric)
Probable maximum precipitation
–Storms
Storm structure
–Weather modification
–Wind (meteorology)

Clouds 0402
NT Cap clouds
Cirrus clouds
Convection clouds
Cumulonimbus clouds
Cumulus clouds
–Fog
Orographic clouds
Smog
Stratus clouds
RT –Atmosphere
Ceilings (meteorology)
Climatic changes
–Climatology
Cloud cover
Cloud physics
Cloud seeding
–Condensation
Convection
Cyclones
Haze
Hurricanes
Hydrometeorology
Liquid water content
–Meteoric water
–Meteorology
–Precipitation (atmospheric)
Thunderstorms
Water sources
Weather

Clouds (cirrus)
USE Cirrus clouds

Clouds (cumulus)
USE Cumulus clouds

Clouds (stratus)
USE Stratus clouds

Cloud seeding 0402.1
UF Rain stimulation
BT –Weather modification
RT Airborne equipment
Cap clouds
Chemistry of precipitation
Cloud modification
–Clouds
–Condensation
–Halides
Hurricanes
Induced precipitation
Nucleation
–Nuclei
Nuclei generators
Rain
–Rainfall
Silver iodide
Silver iodide generators
–Snow
Snow management
Water sources

Clovers 0204 0603.1
UF Trifolium (species unspecified)
BT –Crops
–Dicots
–Horticultural crops
–Legumes
–Plants (botany)
NT Alsike clover
Crimson clover
Ladino clover
Red clover
White clover
RT –Agronomic crops
–Forage legumes
–Forages
Hay
Silage
Turf

Clubmoss 0603.1
UF Lycopodium species
BT –Plants (botany)
RT –Aquatic plants

Clupeidae
USE Herrings

Clutch (biology) 0603.2
RT Bird eggs
–Birds
Broods
Hatching
Nests

Clutches (mechanical) 1309
RT –Couplings
Flexible couplings
Gears
Mechanical control
Power transmission (mechanical)
Transmissions (mechanical)
Variable-speed drives

CMU
USE Monuron

Coagulants 1107
RT –Additives
–Admixtures
–Chemicals
Coagulation
Deflocculants
–Dispersants
Dispersion
Flocculants
Gels
Precipitation (chemistry)

Coagulation 0704
RT –Analytical techniques
Coagulants
Coalescence
Deposition
Electrokinetic potential
Flocculation
–Flotation
Gels
–Hardening
Liquid wastes
Precipitation (chemistry)

Coagulation (Con.)
- —Separation
- —Separation techniques
- —Sewage treatment
- Slurries
- Solidification
- —Solid wastes
- Tertiary treatment
- —Treatment
- Waste water treatment
- Water pollution treatment
- —Water purification
- —Water treatment
- Water treatment plants

Coal 0807 2104
- UF Anthracite
- Bituminous coal
- BT —Fossil fuels
- —Organic matter
- —Rocks
- —Sedimentary rocks
- NT Lignite
- RT —Bitumens
- Cinders
- Coal gas
- Coal mines
- Coal tar
- Fuels
- Lithification
- Peat

Coalescence 0701 1308
- RT Coagulation
- —Drops (fluids)
- Flocculation
- —Physical properties
- —Separation

Coal gas 2104
- BT —Gases
- RT —Coal
- Fuels
- Natural gas
- Propane

Coal mines 0809
- BT —Mines
- RT —Coal
- Coal mine wastes
- Hydraulic mining
- Land subsidence
- Mine acids
- —Mining
- Mining engineering
- —Open pit mining
- Shafts (mining)
- Strip mines

Coal mine wastes 0809
- BT —Industrial wastes
- —Mine wastes
- —Wastes
- RT —Acidic water
- Coal mines
- Mine acids
- Strip mine wastes
- Water pollution sources

Coal tar 1107
- BT —Bitumens
- —Bituminous materials
- —Hydrocarbons
- RT —Asphalts
- —Coal
- Coal tar coating
- Mastics
- Pitch (materials)

Coal tar coating 1103
- BT —Coatings
- —Protective coatings
- RT —Bituminous materials
- Coal tar
- Coal-tar epoxy paints
- —Corrosion control
- —Linings
- —Paints

Coal-tar epoxy paints 1103
- BT —Building materials
- —Coatings
- —Finishes
- —Paints
- RT Coal tar coating
- Epoxy resins
- Plastic coatings
- —Protective coatings

Coarse aggregates 1303
- BT —Aggregates
- —Construction materials
- —Granular materials
- RT Cohesionless soils
- Concrete mixes
- —Concretes
- —Concrete technology
- Crushed stone
- Fine aggregates
- Grain sizes
- —Gravels
- Pea gravel
- —Pervious soils
- —Rocks
- Selected materials
- Stones

Coarse fish
- USE Rough fish

Coastal areas
- USE Coasts

Coastal bermudagrass 0603.1
- BT —Agronomic crops
- —Crops
- —Field crops
- —Forage grasses
- —Forages
- —Grasses
- —Monocots
- —Plants (botany)

Coastal diving ducks 0603.2
- BT —Animals
- —Aquatic life
- —Birds
- —Ducks (wild)
- —Migratory birds
- —Waterfowl
- —Wildlife
- RT Animal groupings
- —Aquatic animals
- Bird types

Coastal engineering 1302
- UF Coastal engineers
- Engineers (coastal)
- BT —Civil engineering
- —Engineering
- RT Beach erosion
- —Coastal structures
- Coasts
- Harbors
- Marine engineering
- Shore protection
- —Shores
- —Waterways

Coastal engineers
- USE Coastal engineering

Coastal marshes 0808
- BT —Land forms
- —Marshes
- —Wetlands
- RT Coasts
- Salt marshes
- —Swamps
- Terrain
- Tidal marshes

Coastal plains 0806
- BT —Land forms
- —Regions
- NT Alabama
- Delaware
- Florida
- Georgia
- Louisiana
- Maryland
- Mississippi
- New Jersey
- North Carolina
- South Carolina
- Texas
- Virginia
- RT Coasts
- Terrain

Coastal structures 1313.5
- BT —Engineering structures
- —Structures
- NT Jetties
- RT Abutments
- Breakwaters
- Bulkhead line
- —Bulkheads
- Coastal engineering
- Coasts
- —Docks
- Harbors
- —Hydraulic structures
- Levees
- Marinas
- Marine engineering
- Offshore platforms
- —Piers
- —Retaining walls
- Sea walls
- Shore protection
- —Shores

Coaster gates 1313.7
- BT —Gates
- —Hydraulic equipment
- —Hydraulic gates
- RT Emergency gates
- Fixed wheel gates
- —Fluid mechanics
- Gate hoists
- —Hoisting machinery
- Intake gates
- —Outlet works
- Penstocks

Coastlines
- USE Coasts

Coasts 0806
- UF Coastal areas
- Coastlines
- Seacoast
- BT —Land forms
- RT —Beaches
- Breakwaters
- Coastal engineering
- Coastal marshes
- —Coastal plains
- —Coastal structures
- —Continental margin
- Deltas
- Drowned (submerged)
- Dunes
- Fjords
- Harbors
- Lighthouses
- —Ocean currents
- Oceans
- Offshore platforms
- —Regions
- Rip currents
- —Saline water intrusion
- Sand bars
- Sand spits
- Sea spray
- Sea walls
- Shoaling
- Shoals
- —Shores

Coatings 1103
- NT Coal tar coating
- Coal-tar epoxy paints
- Enamels
- Galvanizing
- Lacquers
- Metal coatings
- Painting
- —Paints
- Plastic coatings
- Primers (coatings)
- —Protective coatings
- Varnishes
- Vinyl-resin coatings
- RT Adhesives
- Anodizing
- —Asphalt emulsions
- Cladding
- —Concretes
- Crusts
- Deposition
- Dipping
- Encasement
- —Films
- —Finishes
- Hard surfacing
- Holidays (coatings)
- Impregnation
- Incrustation
- Inhibitors
- —Laminates
- —Linings
- —Materials
- Moistureproofing
- —Pavements
- Paving
- Pipe linings
- Protective coverings
- —Sealants
- Seal coat
- Sheets
- Shotcrete
- Substrates
- Surface preparation
- —Surface properties
- —Surfaces
- —Surfacing
- Thin films
- Waterproofing
- Waxes
- Weatherproofing
- Wood preservatives

Coatings (brittle)
- USE Stress analysis

Coaxial cables 0901
- UF Cables (coaxial)
- BT —Electric cables
- RT Electrical insulation
- —Electric conductors
- Electric wire
- Submarine cables
- —Television
- Underwater television

Cobalt 0702
- BT —Chemical elements
- —Metals
- RT Cobalt alloys
- Cobalt compounds
- Cobalt radioisotopes

Cobalt alloys 1106
- BT —Alloys
- —Metals
- RT Cobalt
- —Heat resistant alloys
- —Steel

Cobalt compounds 0702 0703
- BT —Chemical compounds
- RT Cobalt

Cobalt radioisotopes 1802
- BT —Isotopes
- —Radioisotopes
- RT Cobalt

Cobbles 0807
- UF Cobblestones
- BT —Construction materials
- —Earth materials
- —Materials
- RT Boulders
- Cohesionless soils
- Crushed stone
- Dam facings
- Gradation
- —Gravels
- Particle size
- Riprap
- —Rocks
- Soil classifications
- Soil components

Cobblestones
- USE Cobbles

C.O.D.
- USE Chemical oxygen demand

Codes 1407
- BT —Standards
- NT Building codes
- RT Acceptability
- Acceptance tests
- —Criteria
- Data transmission systems
- Design criteria
- Design standards
- Performance
- Performance tests
- Production control
- —Quality control
- —Regulations
- Symbols
- Tolerances (mechanics)

Coding 1407
- RT Analog to digital converters
- Computer programming
- —Computer programs
- Data transmission
- Digital recording

Coding (Con.)
—Languages
Machine translating
Symbols

Coefficients 1407
NT Discharge coefficients
Evaporation coefficient
Friction coefficient (hydraulic)
Friction coefficient (mechanical)
Heat transfer coefficient
Permeability coefficients
Poisson ratio
—Resistance coefficients
Roughness coefficient
Runoff coefficient
Rupture modulus
Storage coefficient
Uniformity coefficient
Variation coefficients
RT —Consistency
Fluid friction
Head losses
—Mathematics
—Orifices
Roughness (hydraulic)
Skin friction
—Statistical analysis
—Statistical models
Statistics
Variability

Cofferdams 1313.1
BT —Dams
—Hydraulic structures
RT Caissons
—Concrete dams
Control structures
Dikes
Diversion dams
—Earth dams
—Embankments
River closures
Rockfill dams
Sheeting
Sheet piling

Cohesion 2011
BT —Mechanical properties
RT Adhesion
Bearing strength
Binders
Bonding
Bonding strength
Capillarity
Capillary action
Cohesive soils
Cohesive strength
Internal forces
Internal friction
Intrinsic pressure
Mohr circle
Mohr envelope
Negative pore pressure
—Negative pressure
—Plasticity
Shear strength
—Soil properties
Soil strength
Soil suction
—Soil tests
Toughness
—Undrained shear tests

Cohesionless soils 0813
UF Noncohesive soils
BT —Earth materials
—Materials
—Soils
—Soil types
RT —Aggregates
Angle of repose
Boulders
Cinders
Coarse aggregates
Cobbles
Cohesive soils
Crushed stone
Fine aggregates
—Granular materials
—Gravels
—Liquefaction
Loose soils
—Pervious soils
Relative density
—Sands
—Silts

Cohesive soils 0813
BT —Earth materials
—Materials
—Soils
—Soil types
RT Clay loam
—Clays
Cohesion
Cohesionless soils
Cohesive strength
—Colloids
—Expansive clays
—Finegrained soils
—Fines
Hardpan
Impervious soils
—Loams
Organic clays
—Organic soils
Relative consistency
—Silts
Soil plasticity

Cohesive strength 0813
BT —Mechanical properties
—Physical properties
—Strength
RT Bearing strength
Bonding
Capillary action
—Clays
Cohesion
Cohesive soils
—Friction
Intrinsic pressure
Shear strength
—Soil properties
Soil strength
Soil suction
—Soil tests

Coils 1407
RT Cooling systems
Copper tubing
Electromagnets
—Heating
Springs (mechanical)
Windings (electrical)

Coils (electromagnetic)
USE Electromagnets

Coils (magnetic)
USE Electromagnets

Cold climates 0402
BT —Climate
RT —Cold regions
Cold weather construction
—Environments
Freeze-thaw cycle
Freeze-thaw durability
—Meteorology

Cold regions 0806
BT —Regions
NT Polar regions
RT Alaska
Alpine
Antarctic
Arctic
Arid lands
—Climate
Cold climates
Cold weather construction
Cryology
—Environments
Freeze-thaw cycle
Freeze-thaw durability
—Meteorology
Permafrost
Subarctic
Tundra

Cold resistance 0606
BT —Biological properties
—Resistance
RT Crop response
—Environmental effects
Exposure
Frost protection
Physiological ecology
Plant physiology
Seasonal
Snow cover
Winterkilling

Cold-rolled steel 1106
BT —Iron alloys
—Metals
—Steel
RT —Bars
Rolling
Steel pipes
—Steel plates

Cold springs 0808.1
UF Non-thermal springs
BT —Running waters
—Springs (water)
RT —Temperature

Cold-water fish 0603.2
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Wildlife
NT Brook trout
Brown trout
Cutthroat trout
Lake trout
Rainbow trout
—Trout
RT Animal groupings
Fish types
—Freshwater fish
Lake fisheries
Reservoir fisheries
—Salmonids
Stream fisheries

Cold-water fishing 0511
BT —Fishing
RT Bait fishing
Fly fishing
—Freshwater fish
Ice fishing
Reservoir fisheries
Sport fishing
Stream fisheries
Surf-casting

Cold weather construction 1315
BT —Construction
RT Antarctic
Arctic
Cold climates
—Cold regions
—Concrete construction
—Construction equipment
—Construction materials
—Construction methods
Frost action
Frost heaving
Frost protection
—Frozen soils
Permafrost
Polar regions
Subarctic

Coliforms 0613
BT —Bacteria
—Microorganisms
—Plants (botany)
NT E. coli
RT —Aquatic bacteria
—Aquatic microorganisms
—Aquatic plants
—Enteric bacteria
Pathogenic bacteria
Sewage bacteria

Collapse 1407
RT Bridge failure
Buckling
Dam failure
—Deformation
—Failure
—Failure (mechanics)
Tunnel failure

Collars 1305
RT Adapters
—Couplings
—Fasteners
—Fittings
—Joints (connections)
—Welding

Collecting methods 1402
RT —Sampling

Collection (data)
USE Data collection systems

Collection (sewage)
USE Sewerage

Collection systems (water)
USE Water collection systems

Colleges 0509
RT —Education
Engineering education
—Organizations
—Schools (education)
Students
—Training
Universities

Collimators 2006
BT —Instrumentation
—Optical instruments
RT —Optical measurement

Colloids 0704
NT Aerosols
Hydrosols (dispersions)
RT —Clays
Cohesive soils
Dispersion
Electrophoresis
—Emulsions
—Fines
Flocculation
Gels
Grain sizes
Mixing length
Particles
Physical chemistry
Precipitation (chemistry)
—Sediments
Soil classifications
Soil components
Suspended sediments
Suspended solids
Turbidimeters
Turbidity

Colluvium 0807
BT —Earth materials
—Geologic deposits
—Materials
—Soils
NT Talus
RT —Alluvial deposits
Alluvium
—Avalanches
Breccia
Debris
Debris avalanches
Detrital soils
Detritus
—Erosion
—Landslides
Loose soils
—Mass wasting
—Sediment deposits
—Sediments
Sheet erosion
—Slopes
—Soil types
Solifluction

Color 2006
BT —Electromagnetic properties
—Physical properties
RT —Biological properties
Colorimetry
Color reactions
—Dyes
—Light
Light waves
—Organoleptic properties
—Pigments
—Plant pigments
Printing
Soil classifications
Spectrophotometry
Stains
—Surface properties
Symbols
Visibility
Vision
Visual classifications
Water analysis
Water pollution effects
Water properties
—Water quality

Colorado 0806
BT —Geographical regions
—States (geographical)
RT Reclamation states

Colorimeters
USE Colorimetry

Colorimetry 1402
UF Colorimeters
BT –Analysis
–Analytical techniques
–Chemical analysis
–Optical measurement
RT –Chromatography
Color
Flame photometry
Fluorometry
–Instrumentation
–Optical instruments
Photometers
–Photometry
Qualitative analysis
–Quantitative analysis
–Spectrometry
Spectrophotometry
–Spectroscopy

Color photography 1405
BT –Photography
RT Aerial photography
Stereoscopic photography

Color reactions 1402
RT –Analytical techniques
Color
Water analysis
–Water quality

Columbium
USE Niobium

Columns 1313.5
UF Pillars
BT –Structural members
RT Auger-type footings
–Beams (structural)
Bents (structural)
Building design
–Buildings
Compression members
Eccentric loading
Flexural strength
–Footings
–Foundations
–Frames
Pad footings
–Piles (foundations)
Slenderness ratio
Spans
Stirrups
Structural concrete
–Structural design
Structural shapes
Struts
Studs
–Supports
Vertical loads
Web beams

Combustion 0704 2102
BT –Chemical properties
–Chemical reactions
RT Burning
–Conversion
Detonation
–Explosions
Fires
Flames
Flammability
Oxidation

Commerce 0503
RT Competition
–Consumption
–Demand
Financing
Liabilities
Manufacturing
–Marketing
–Prices
Real property
Sales
–Supply
–Transportation

Commercial fish 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Wildlife
RT Animal groupings
Commercial fishing
Fish harvest
Fish types
–Freshwater fish
–Marine animals
–Marine fish
–Salmon
–Salmonids
–Shellfish

Commercial fishing 0503
BT –Fishing
–Industries
RT –Aquiculture
Bait fishing
Commercial fish
–Commercial shellfish
Electrical shocking gear
–Fisheries
Fish handling facilities
Fishing gear
–Freshwater fish
International compacts
International waters
Marine fisheries
–Shellfish

Commercial shellfish 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Invertebrates
–Shellfish
NT Brine shrimp
Clams
Crabs
Opossum shrimp
Oysters
Pink shrimp
–Shrimp
RT Commercial fishing
–Crustaceans
Lobsters

Commissions (international)
USE International commissions

Common eider duck 0603.2
UF Eider (common)
Somateria mollissima
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Common enemy rule
USE Repulsion (legal aspects)

Common goldeneye duck 0603.2
UF Bucephala clangula
Goldeneye duck (common)
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Common merganser duck 0603.2
UF Merganser Duck (common)
Mergus merganser
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Common teal 0603.2
UF Anas crecca
Teal (common)
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Communication 1702
RT –Acoustics
Animal sounds
Carrier-current
Clarity
Drill hole TV cameras
Grammars
Hydrophones
Ideas
–Languages
Navigation
Powerline carriers
–Radar
Radio communication systems
Radio interference
Recommendations
–Reports
Report writing
Semantics
Social behavior
–Sociology
Symbols
Telemetry
Telemetry systems
Telephones
–Television
–Transmitters
–Transportation
Vocabularies

Communities (biological)
USE Biological communities

Community development 0511
RT Aesthetics
Area redevelopment
City planning
–Economics
–Population
Rural areas
Rural sociology
Social mobility
Urban areas
Urbanization
Urban renewal
Urban sociology

Commutators 0901
RT –Electric generators
–Electric motors
Slip rings

Compacted soils 0813
BT –Earth materials
–Materials
–Soils
–Soil types
RT –Compaction
–Compaction equipment
Compaction tests
Densification
Dikes
–Earth dams
–Earthfill
–Earthworks
–Embankments
–Fills
Impervious blankets
Impervious soils
Levees
Permeability
Remolded soil samples
Rolled fills
Seepage control
Sheepsfoot rollers
Soil compaction
Soil density
Soil environment

Compaction 1407
NT Soil compaction
Vibratory compaction
RT Canal embankments
Compacted soils
–Compaction equipment
Compaction tests
Compressibility
–Compression
–Consolidation
Deep subsidence
Densification
–Density
Drum rollers
–Earth dams
–Earthfill
–Earth pressure
–Earthworks
–Fills
Firn
Landfills
–Moisture content
Nuclear density meters
Permeability
Pipe bedding
Pipe cover
Pipe laying
Pneumatic tired rollers
Presses
Puddling
Rolled fills
–Rollers
Rolling
Shallow subsidence
Sheepsfoot rollers
–Soil physical properties
Soil pressure
–Stress
–Subsidence
Tamping rollers
–Volume change

Compaction control (rapid)
USE Rapid compaction control

Compaction equipment 1303
UF Compaction rollers
BT –Construction equipment
–Equipment
NT Drum rollers
Pneumatic tired rollers
Sheepsfoot rollers
Tamping rollers
RT Compacted soils
–Compaction
Compaction tests
–Earth handling equipment
Mobile equipment
Rolled fills
–Rollers
Rolling
Soil compaction
Vibratory compaction

Compaction rollers
USE Compaction equipment

Compaction tests 0813
BT –Materials tests
–Tests
RT Compacted soils
–Compaction
–Compaction equipment
–Construction control
–Density
–Field tests
Laboratory tests
Optimum moisture content
Proctor curves
Rapid compaction control
Relative density
Remolded soil samples
Soil compaction
Soil density
Soil mechanics
–Soil tests
–Test equipment
Test fills
Vibratory compaction

Compacts
USE Interstate compacts

Compacts (international)
USE International compacts

Compacts (interstate)
USE Interstate compacts

Comparative benefits 0503
BT –Benefits
RT Annual equivalent benefits
Comparative costs
Comparative studies

Comparative costs 1401
BT –Costs
RT Annual equivalent costs
Comparative benefits
Comparative studies
Construction costs
–Economies
Electric power costs
Unit costs

Comparative productivity 0603
BT –Productivity
RT Browse utilization
Carrying capacity
Comparative studies
–Ecosystems

Comparative studies 1407
RT Comparative benefits
Comparative costs
Comparative productivity
–Criteria
Recommendations

Comparisons (cost)
USE Cost comparisons

Compatibility 1407
RT Acceptability
Deleterious materials
Formulation
Integrated control measures
—Mixtures
—Resistance
—Stability

Compensation 0501 0503
UF Compensatory payment
RT —Benefits
Condemnation value
Cost repayment
Errors
—Insurance
Labor costs
Labor unions
—Payment
Professional advancement
Salaries
Unemployment
Wages
Welfare (economics)
Working conditions

Compensatory payment
USE Compensation

Competing uses 0504.1
BT —Efficiencies
—Water utilization
RT —Legal aspects
Multiple purpose reservoirs
Non-consumptive use
Project purposes
Reasonable use
—Reservoir operation
—Riparian rights
Water allocation (policy)
Water consumption
—Water policy
—Water rights
Water zoning

Competition 0510
RT —Animal behavior
—Behavior
Commerce
Competitive bidding
Competitive prices
Dominant organisms
—Ecology
—Economics
—Environments
Fertility
Inhibitors
Invasion
Life history studies
—Marketing
Microenvironment
Monopoly
Pasture management
Patents
Persistence
—Personnel
Personnel management
Plant growth substances
—Predation
—Productivity
Professional advancement
—Regulation
—Regulations
—Resistance
Secondary productivity
Social behavior
—Soil microorganisms
—Succession

Competitive bidding 0501
RT Bids
Competition
—Contract administration
—Contracts
—Legal aspects
Specifications
Unit costs

Competitive prices 0503
BT —Prices
RT Competition

Components (computer system)
USE Computer systems hardware

Components (rotating)
USE Rotating components

Components (soil)
USE Soil components

Composite beams 1313.5
BT —Beams (structural)
—Structural members
RT Architecture
—Composite materials
Composite structures
Deep beams
—Girders
Hybrid beams
—Laminates
—Reinforced concrete
—Steel
—Structural design
Timbers
—Wood

Composite materials 1104
BT —Building materials
—Construction materials
—Materials
NT Laminated glass
Laminated plastics
—Laminated wood
—Laminates
Plywoods
—Reinforced plastics
RT Anisotropy
Cladding
Composite beams
Composite structures
Copolymers
—Fibers
—Plastics
Polymer concretes
—Reinforced concrete
—Reinforcement
—Reinforcing materials
Sandwiching

Composite structures 1313.5
BT —Structures
RT Architecture
Composite beams
—Composite materials
—Concretes
—Concrete structures
—Earthworks
—Steel
Steel structures
—Structural design
—Wood
—Wooden structures

Compressed air 1307
BT —Air
—Gases
RT Air compressors
Air traps
—Compression
—Compressors
Ice prevention
—Safety
—Tunnel construction
Vortex tubes

Compressibility 2012
BT —Mechanical properties
RT Barometric efficiency
Bearing strength
Bulk modulus
—Compaction
—Compressible flow
Compressible soils
—Compression
—Compression tests
Compressive strength
Confined water
—Consolidation
—Deformation
Deformation modulus
—Density
Ductility
Piezometry
Porosity
Rigidity
Soil consolidation tests
—Soil physical properties
Soil plasticity
—Soil properties
Water properties

Compressible flow 2004
BT —Fluid flow
NT Subsonic flow
Supersonic flow
RT Aerodynamics
Compressibility
—Fluid dynamics
—Fluid mechanics
Incompressible flow

Compressible soils 0813
BT —Earth materials
—Materials
—Soils
—Soil types
RT —Clays
Compressibility
—Compression
—Consolidation
—Deformation
—Density
Embankment subsidence
—Expansive soils
—Finegrained soils
Loose soils
Preloading
—Settlement (structural)
—Soil physical properties
—Soil properties

Compression 1407
NT —Axial compression
Biaxial compression
Triaxial compression
Unconfined compression
RT Bulk modulus
—Compaction
Compressed air
Compressibility
Compressible soils
Compression curves
Compression members
—Compression tests
Compressive strength
Compressive stress
—Compressors
Concentration
—Consolidation
—Deformation
Densification
Normal strain
Pipe tests
Preloading
Rebound
—Settlement (structural)
—Shear
Shear planes
Soil compression tests
Springs (mechanical)
—Strain
—Stress
—Tension
—Volume change

Compression curves 1402
BT —Curves
—Geometric shapes
RT —Axial compression
—Compression
—Compression tests
Compressive strength
—Consolidation
—Density
—Mechanical properties
Porosity
Soil compression tests
—Soil properties

Compression fittings 1305
BT —Fittings
RT Adapters
Copper tubing
Flexible tubing
—Joints (connections)
—Tubes

Compression members 1313.5
RT —Beams (structural)
Bents (structural)
—Bracing
Columns
—Compression
—Compression tests
Compressive strength
Compressive stress
—Frames
—Girders
—Structural members
Struts
Studs
—Supports
—Trusses

Compression tests 1402
BT —Materials tests
—Tests
NT Soil compression tests
RT —Axial compression
Biaxial compression
Compressibility
—Compression
Compression curves
Compression members
Compressive strength
Compressive stress
Creep tests
Fatigue tests
Hardness tests
Impact tests
Laboratory tests
Loading tests
Rock tests
—Soil tests
Static tests
Stress-strain curves
Tension tests
—Test equipment
Test machines
Test procedures
Triaxial compression
Triaxial tests
Unconfined compression

Compression tests (soil)
USE Soil compression tests

Compressive strength 2012
BT —Mechanical properties
—Physical properties
—Strength
RT —Axial compression
Bearing strength
Biaxial compression
Compressibility
—Compression
Compression curves
Compression members
—Compression tests
Compressive stress
Concrete properties
—Materials tests
Shear strength
Soil compression tests
Soil mechanics
Strength of materials
—Tensile strength
Triaxial compression
Unconfined compression
Yield point
Yield strength

Compressive stress 2012
BT —Stress
RT —Axial compression
Biaxial compression
—Compression
Compression members
—Compression tests
Compressive strength
—Loads (forces)
Normal stress
—Pressure
Radial stress
Shear stress
Soil compression tests
Tensile stress
Total stress
Triaxial compression
Unconfined compression

Compressors 1307
UF Reciprocal compressors
Rotary compressors
BT —Equipment
NT Air compressors
RT Air conditioning
Axial flow
Compressed air
—Compression
Condensers (liquefiers)
Cooling systems
—Materials handling equipment
—Pumps
Refrigeration
—Vacuum apparatus
Vacuum pumps

Computation 1201
RT Analog computers
—Analysis

Computation (Con.)
Batch processing (data)
Calculations
Calculators
–Computers
–Data processing
Digital computers
Hybrid computers
Nomographs

Computer applications 0902
RT Algorithms
Automatic control
Computer programming
–Computer programs
Data collection systems
Data retrieval
Data storage
Data transmission
Decision making
Dynamic programming
Graphical analysis
–Mathematical analysis
–Operations research
–Statistical analysis
–Structural analysis

Computer languages
USE Programming languages

Computer models 0902
UF Computer simulation
BT –Models
–Model studies
RT –Analog models
Computer programming
–Computer programs
–Computers
Correlation
–Data processing
Finite difference method
Finite element method
–Mathematical models
Model tests

Computer programming 0902
UF Programming (computer)
RT Algorithms
Bar graphs
Coding
Computer applications
Computer models
–Computer programs
–Computers
Computer systems programs
–Data processing
Data retrieval
Data storage
Digital computers
Dynamic programming
Finite difference method
Finite differences
Finite element method
Flow charts
Linear programming
Manuals
–Mathematical logic
–Mathematics
–Numerical analysis
Programming languages
Systems analysis

Computer programs 0902
UF Programs (computer)
NT Computer systems programs
RT Algorithms
Batch processing (data)
Coding
Computer applications
Computer models
Computer programming
–Computers
–Data processing
Data retrieval
Data storage
Information retrieval
PERT
–Production
Programming languages
Selective dissemination

Computers 0902
BT –Electronic equipment
–Equipment
NT Analog computers
Digital computers
Hybrid computers
RT –Analog models
Automatic control
Automation
Batch processing (data)
Calculations
Calculators
Computation
Computer models
Computer programming
–Computer programs
–Computer storage devices
–Computer systems hardware
Computer systems programs
Critical path method
–Data processing
Data retrieval
Data storage
Data transmission systems
Design tools
Information systems
Interest profiles
Laboratory equipment
–Numerical analysis
PERT
Problem solving
Programming languages
Research equipment
Scheduling
Supervisory control (power)
Systems analysis
–Test equipment
–Test facilities

Computer simulation
USE Computer models

Computer storage devices 0902
UF Memory (computer)
BT –Computer systems hardware
NT Magnetic tapes
Punched tapes
RT –Computers
–Data processing
Data storage
Magnetic recording

Computer systems hardware 0902
UF Components (computer system)
Hardware (computer)
NT –Computer storage devices
Magnetic tapes
RT –Computers
Computer systems programs
–Control equipment
–Data processing

Computer systems programs 0902
UF Software (computers)
BT –Computer programs
RT Computer programming
–Computers
–Computer systems hardware
–Data processing
Programming languages

Concentration 1407
BT –Separation techniques
RT –Beneficiation
Centrifuges
–Compression
–Dilution
–Drying
–Extraction
Flocculation
Multistage flash distillation
pH
Polarization
–Psychology
Purification
–Reduction
–Separation
Solubility
Sorption

Concentration (sediment)
USE Sediment concentration

Concentration (silt)
USE Sediment concentration

Concentration (stress)
USE Stress concentration

Concrete additives 1303.1
BT –Additives
–Chemicals
NT Set-retarding agents
Water-reducing agents
RT –Admixtures
Air entraining agents
Air entrainment
–Cements
Concrete control
Concrete mixes
–Concretes
–Concrete technology
Fly ash
Pozzolans
–Retarding agents
–Salts

Concrete construction 1315
BT –Construction
NT Concrete finishing
–Concrete placing
Dry pack mortar
RT Cast-in-place structures
Cold weather construction
Concrete control
–Concrete dams
Concrete mixes
Concrete pavements
Concrete plants
–Concretes
–Concrete structures
–Concrete technology
Concrete tests
–Construction control
–Construction joints
–Construction materials
–Construction methods
–Construction plants
Construction practices
Contraction joints
Dam construction
Deformed bars
Expansion joints
False set
–Formwork (construction)
Lift slab construction
Mass concrete
Posttensioning
Precast concrete
Prepacked concrete
Prestressed concrete
–Prestressing
–Reinforced concrete
–Rigid pavements
Road construction
Screeds
Shotcrete
Slip forms
Thin arch dams

Concrete control 1303.1
BT –Construction control
–Control
RT Building codes
Cast-in-place structures
–Concrete additives
–Concrete construction
Concrete mixes
–Concrete placing
Concrete plants
–Concretes
–Concrete technology
Concrete tests
Field control
Field laboratories
–Inspection
Mass concrete
Materials control
–Mixers
Pumped concrete
–Retarding agents
Specifications

Concrete dams 1313.1
BT –Concrete structures
–Dams
–Engineering structures
–Navigation dams
NT –Arch dams
Buttress dams
Double-curvature arch dams
Multiple arch dams
Thin arch dams
RT Cast-in-place structures
Cofferdams
–Concrete construction
Dam construction
Dam design
Dam foundations
Diversion dams
–Earth dams
Embedded instruments
Embedded materials
Embedded metal
Forebay dams
Galleries
Gravity dams
Lifts (construction)
Masonry dams
Mass concrete
Monoliths
Trial-load method

Concrete finishing 1303.1 1315
BT –Finishing
RT Aesthetics
Architectural concrete
Concrete pavements
–Concrete placing
–Concretes
–Concrete structures
Laitance
–Pavements
Screeds
Surface preparation
–Surfaces

Concrete-lined canals 1313.1
BT –Canals
–Channels
–Lined canals
–Waterways
RT Bedding materials
Canal construction
Canal design
–Concretes
–Conveyance structures
–Engineering structures
–Hydraulic structures
–Irrigation canals
–Linings
Rigid linings

Concrete linings 1313.1
BT –Linings
RT Canal construction
Canal design
Canal linings
Cast-in-place structures
–Concretes
Earth linings
Impervious linings
Impervious membranes
Joint fillers
–Joints (connections)
–Lined canals
Mattresses
Mudjacking
–Reinforced concrete
Rigid linings
–Rigid pavements
Seepage control
Shotcrete
Slope protection
–Water tunnels (conveyance)

Concrete masonry 1303
BT –Masonry
RT –Building materials
–Concrete products
–Concretes
–Concrete structures
–Construction materials
Masonry dams
–Mortars
Rubble masonry
Stones

Concrete mixes 1303.1
BT –Concrete technology
RT –Aggregates
Air entraining agents
Batching
–Cement-aggregate reaction
–Cements
Coarse aggregates
–Concrete additives
–Concrete construction
Concrete control
–Concrete placing
Concrete plants
–Concretes
Concrete tests
–Construction materials
Dry pack mortar
False set
Laitance
–Mixers
Mixing
–Mixtures
Polymer concretes
–Retarding agents
Set-retarding agents
Slump

USE = Use preferred term; UF = Used for; BT = Broader term; NT = Narrower term; RT = Related term.

Concrete mixes (Con.)
Transit mixers
Water-cement ratio
Water-reducing agents
Workability

Concrete pavements 1302.4
BT —Pavements
—Rigid pavements
RT Aprons
Cast-in-place structures
—Concrete construction
Concrete finishing
—Concretes
Flexible pavements
—Highways
Mesh reinforcement
Mudjacking
Paving
—Reinforced concrete
Runways
Slabs

Concrete piles 1313.6
BT —Concrete products
—Concrete structures
—Engineering structures
—Piles (foundations)
NT Cast-in-place piles
RT Batter piles
Bearing piles
Bored piles
Cast-in-place structures
—Concretes
Deformed bars
—Foundations
Friction piles
Pile bearing capacities
Pile caps
—Pile driving
Pile foundations
Pile friction
Prepacked concrete
—Reinforced concrete
Sheet piling
Steel piles
Wooden piles

Concrete pipes 1303
BT —Closed conduits
—Concrete products
—Concrete structures
—Conduits
—Conveyance structures
—Hydraulic structures
—Pipes
RT Asbestos-cement pipes
Autogenous healing
Bedding materials
—Bends (hydraulic)
Cast-in-place pipes
—Concretes
—Conveyance structures
Deformed bars
—Distribution systems
—Drains
Drain tiles
—Engineering structures
Horizontal drains
—Irrigation systems
Pipe cradles
—Pipelines
Piping systems (mechanical)
Pretensioned pipes
—Reinforced concrete
Rigid pipes
Tees
Water pipes

Concrete placing 1303.1
BT —Concrete construction
—Placing
NT Dry pack mortar
RT Air entrainment
Batching
Cast-in-place piles
Cast-in-place pipes
Cast-in-place structures
Concrete control
Concrete finishing
Concrete mixes
Concrete plants
—Concretes
—Construction equipment
—Construction materials
—Curing
Curing compounds
Cyclopean concrete
—Formwork (construction)
—Grouting
Initial set
Mass concrete
Paving
—Portland cements
Prepacked concrete
Pumped concrete
Screeds
Set-retarding agents
Shotcrete
Slip forms
Slump
Tremie concrete
Vacuum concrete
—Vibrators (mechanical)
Vibratory compaction
Water-cement ratio
Water-reducing agents
Workability

Concrete plants 1303
BT —Construction equipment
—Construction plants
RT Belt conveyors
—Concrete construction
Concrete control
Concrete mixes
—Concrete placing
—Concretes
—Mixers
Transit mixers

Concrete products 1303.1
NT Asbestos-cement pipes
Cast-in-place piles
—Concrete piles
Concrete pipes
RT Architectural concrete
—Building materials
Concrete masonry
—Concretes
—Concrete technology
—Construction materials
Precast concrete

Concrete properties 1303.1
BT —Properties
RT —Chemical properties
Compressive strength
—Concretes
—Concrete technology
Creep
—Density
Elasticity (mechanical)
Elastic limit
Flexural strength
Heat of hydration
Hydration
—Insulation
—Mechanical properties
Modulus of elasticity
Permeability
—Physical properties
Poisson ratio
Setting (materials)
Shear strength
Slump
Specific gravity
—Tensile strength
—Thermal properties
Workability

Concretes 1303.1
BT —Building materials
—Construction materials
—Materials
NT Architectural concrete
Asbestos cement
Bituminous concretes
Cyclopean concrete
Dry pack mortar
Expansive concrete
High strength concretes
Lightweight concretes
Mass concrete
Polymer concretes
Precast concrete
Prepacked concrete
Prestressed concrete
Pumped concrete
—Reinforced concrete
Shotcrete
Structural concrete
Tremie concrete
Vacuum concrete
RT —Additives
—Aggregates
Air entrainment
Alkali aggregate reactions
—Asphalts
Autogenous healing
Batching
Bleeding (concrete)
Bonding
Canal linings
Cast-in-place structures
Cement grouts
—Cements
Coarse aggregates
—Coatings
Composite structures
—Concrete additives
—Concrete construction
Concrete control
Concrete finishing
Concrete-lined canals
Concrete linings
Concrete masonry
Concrete mixes
Concrete pavements
—Concrete piles
Concrete pipes
—Concrete placing
Concrete plants
—Concrete products
Concrete properties
—Concrete structures
—Concrete technology
Concrete tests
—Curing
Curing compounds
Dam facings
Efflorescence
Entrapped air
False set
Fly ash
Fog-curing
Initial set
Lightweight aggregates
—Linings
Low alkali cements
Low heat cements
—Masonry
Masonry dams
Mesh reinforcement
—Mortars
—Pavements
Pipe cradles
—Placing
—Portland cements
Pozzolans
Rigid linings
—Rigid pavements
Road design
—Roads
Rubble masonry
Slabs
Slump
Stirrups
Stones
Streets
Terrazzo
Water-reducing agents

Concrete structures 1313
BT —Engineering structures
—Structures
NT —Arch dams
Asbestos-cement pipes
Buttress dams
Cast-in-place piles
Cast-in-place structures
—Concrete dams
—Concrete piles
Concrete pipes
Concrete tanks
Double-curvature arch dams
Multiple arch dams
Thin arch dams
RT Baffles
—Barriers
Breakwaters
—Bridges (structures)
—Buildings
—Bulkheads
Cantilevers
—Check structures
Chute blocks
Chutes
Chute spillways
Composite structures
—Concrete construction
Concrete finishing
Concrete masonry
—Concretes
Continuous frames
—Continuous structures
Continuous trusses
—Conveyance structures
Cylindrical shells
—Dams
Deformed bars
Diversion dams
Diversion structures
—Docks
Drops (structures)
Erection
Expansion joints
Fish barriers
Fish passages
Fishways
Floodgates
—Flumes
High strength steels
—Hydraulic structures
—Intake structures
Jetties
Locks (waterways)
Mill dams
Monoliths
—Outlet works
Overfalls
Penstocks
—Piers
Posttensioning
Precast concrete
Prestressed concrete
—Prestressing
—Reinforced concrete
—Retaining walls
—Shell structures
Silos
Slabs
Small structures
—Spillways
Step-downs
Stilling basins
Stream gaging station
Structural concrete
—Structural design
Surge tanks
—Venturi flumes
Water surface
—Water tanks

Concrete tanks 1313.5
BT —Concrete structures
—Containers
—Engineering structures
—Tanks (containers)
RT Buried structures
Cast-in-place structures
Cisterns
Cylindrical shells
—Reinforced concrete
—Reservoirs
—Storage
—Towers
—Water tanks

Concrete technology 1303.1
NT Concrete mixes
RT —Aggregates
Air entraining agents
Alkali aggregate reactions
Autogenous healing
Bleeding (concrete)
Cast-in-place structures
—Cement-aggregate reaction
—Cements
—Civil engineering
Coarse aggregates
—Concrete additives
—Concrete construction
Concrete control
—Concrete products
Concrete properties
—Concretes
Concrete tests
—Engineering
Expanding cements
Expansive concrete
False set
Fine aggregates
Fog-curing
Heavy media separation
High strength concretes
Laitance
Lightweight concretes
Mass concrete
—Mixers
Polymer concretes
—Portland cements
Pozzolans
Prepacked concrete
—Reinforced concrete
—Retarding agents
Set-retarding agents

Concrete technology (Con.)
Steam curing
Sulfate attack
Sulfate-resisting cements
Vacuum concrete
–Vibrators (mechanical)
Vibratory compaction
Water-cement ratio
Water-reducing agents

Concrete tests 1402
BT –Materials tests
–Tests
RT Accelerated tests
–Analytical techniques
–Concrete construction
Concrete control
Concrete mixes
–Concretes
–Concrete technology
Embedded instruments
–Field tests
Freeze-thaw tests
Laboratory tests
–Nondestructive tests
–Test equipment
–Test facilities
Test machines
Test procedures
Test results
Test specimens

Condemnation 0504.1
RT Condemnation value
Cost repayment
–Easements
Eminent domain
–Legal aspects
Litigation
Right-of-way
Stream pollution
–Water pollution

Condemnation value 0503
BT –Value
RT Compensation
Condemnation
Economic impact

Condensation 0704
NT Dew
Dropwise condensation
RT Advection
Air conditioning
Chemistry of precipitation
–Climatology
–Clouds
Cloud seeding
–Cooling
Dewatering
–Distillation
–Drops (fluids)
–Evaporation
–Fog
Frost
–Meteoric water
Meteorological data
–Meteorology
Microclimatology
Microenvironment
Nucleation
–Nuclei
–Precipitation (atmospheric)
Precipitation (chemistry)
Raindrops
Refrigeration
–Separation
–Separation techniques
Smog
Steam
Sublimation
Supercooling
–Water vapor

Condensers (electrical)
USE Capacitors

Condensers (liquefiers) 1309
BT –Equipment
RT –Compressors
Cooling systems
Desalination apparatus
–Distillation
Dryers
–Evaporators
–Feed water
Heat exchangers
Multistage flash distillation

Condensers (synchronous)
USE Electrical equipment

Conductance (electrical)
USE Electrical conductance

Conductance (heat)
USE Thermal conductivity

Conductance (thermal)
USE Thermal conductivity

Conduction 2013
BT –Transport phenomena
RT Attenuation
–Conductivity
Convection
–Heating
Heat transfer
Heat transmission
Preheating
–Radiation
–Refraction
Thermal diffusion

Conduction (electric)
USE Electrical conductance

Conduction (heat)
USE Thermal conductivity

Conduction (hydraulic)
USE Hydraulic conductivity

Conduction (thermal)
USE Thermal conductivity

Conductivity 1407
BT –Physical properties
NT Capillary conductivity
Electrical resistivity
Hydraulic conductivity
Superconductivity
Thermal conductivity
RT Conduction
Electrical conductance
Electrical insulation
–Electrical properties
Electrical studies
Electrolytes
–Fluid flow
Permeability
–Resistance
–Resistivity
Retardance
Soil chemical properties
–Soil physical properties
Thermal insulation
Water properties

Conductivity (electrical)
USE Electrical conductance

Conductivity (heat)
USE Thermal conductivity

Conductivity (hydraulic)
USE Hydraulic conductivity

Conductivity (thermal)
USE Thermal conductivity

Conductors
USE Electric conductors

Conduits 1313.1 1313.5
UF Water mains
BT –Conveyance structures
–Hydraulic structures
NT Adits
Aqueducts
Asbestos-cement pipes
–Buried pipes
–Canals
Capillary tubes
Cast-in-place pipes
Cast iron pipe
Clay pipes
–Closed conduits
Concrete pipes
Corrugated metal pipe
Culverts
Diversion tunnels
Draft tubes
Drain tiles
Earth-lined canals
Flexible pipes
Flexible tubing
–Flumes
Hydraulic conduits
–Laterals
–Lined canals
Metal pipes
–Noncircular conduits
Penstocks
–Pipelines
–Pipes
–Pitot tubes
Plastic pipes
Plastic tubing
Pressure conduits
Pressure pipes
Pressure tunnels
Pretensioned pipes
Rectangular conduits
Reinforced plastic pipe
Rigid pipes
–Rigid tubing
Sewers
Siphons
Steel pipes
Submarine pipelines
Trapezoidal flumes
–Tubes
–Tunnels
Unlined canals
Unlined tunnels
Vortex tubes
–Water tunnels (conveyance)
Water tunnels (testing)
RT Buried irrigation systems
Bypasses
Cavitation
–Channel flow
–Channels
–Dams
–Ditches
Diversion structures
Diversion works
–Drains
–Flow
French drains
–Hydraulics
Inflow
–Intakes
–Intake structures
Interbasin water transfers
Irrigation engineering
Manholes
–Open channels
–Outlet works
–Running waters
Sluices
Storm drains
Sublaterals
Water conveyance

Cones (alluvial)
USE Alluvial deposits

Cones (mathematics) 1201 1409
BT –Geometric shapes
RT Geometry
Prisms
Spheres

Conferences 0502
UF Conventions
Symposia
RT –Documentation
International hydrological decade
–Organizations
Publications
Scientific societies
Technical societies

Configuration 1407
RT Contours
–Distribution
Molecular structure
–Morphology
–Profiles
–Shape
Structural shapes
–Surfaces

Confined aquifers
USE Aquifers

Confined groundwater
USE Confined water

Confined water 0808.1
UF Confined groundwater
BT –Groundwater
–Subsurface waters
–Water
–Water types
RT Aquicludes
–Aquifers
Artesian aquifers
Artesian water
Artesian wells
Compressibility
Percolating water
Potentiometric level
–Pressure
–Springs (water)
Strip aquifers
Theis equation
Thiems equation
Underground streams

Confinement pens 0205
RT Farm management
Farm wastes
–Livestock

Confining beds
USE Aquicludes

Confining pressure 2011
BT –Pressure
RT Dilatation
–Lateral forces
Triaxial loads
Triaxial tests

Conglomerate rocks 0807
BT –Rocks
–Sedimentary rocks
RT Sandstone

Coniferous forests 0206
BT –Biomes
–Forests
RT –Coniferous trees
–Conifers
Douglas fir trees
–Fir trees
Forestry
–Gymnosperms
Hardwood
Hemlock trees
Juniper trees
Loblolly pine trees
Mixed forests
–Pine trees
–Podzols
Ponderosa pine trees
Red fir trees
Red pine trees
Red podzolic soils
Softwood
White-cedar trees
Yellow pine trees
Yellow podzolic soils

Coniferous trees 0603.1
BT –Conifers
–Gymnosperms
–Plants (botany)
–Trees
NT Balsam fir trees
Bristlecone pine trees
Douglas fir trees
–Fir trees
Grand fir trees
Hemlock trees
Jack pine trees
Juniper trees
Loblolly pine trees
Lodgepole pine trees
Noble fir trees
Pacific silver fir trees
–Pine trees
Pinyon pine trees
Ponderosa pine trees
Red fir trees
Red pine trees
Scotch pine trees
White-cedar trees
White fir trees
White pine trees
Yellow pine trees
RT Coniferous forests
Forestry
Hardwood
Plant groupings
Softwood

Conifers 0603.1
BT –Gymnosperms
–Plants (botany)
NT Balsam fir trees
Bristlecone pine trees
–Coniferous trees

Conifers (Con.)
Douglas fir trees
—Fir trees
Grand fir trees
Hemlock trees
Jack pine trees
Juniper trees
Loblolly pine trees
Lodgepole pine trees
Noble fir trees
Pacific silver fir trees
—Pine trees
Pinyon pine trees
Ponderosa pine trees
Red fir trees
Red pine trees
Scotch pine trees
White-cedar trees
White fir trees
White pine trees
Yellow pine trees
RT Coniferous forests
—Shrubs

Conjunctive use 0808.2
(simultaneous use of ground and surface water supplies)
RT —Aquifers
—Economics
—Groundwater
Optimum development plans
—Subsurface waters
Surface-groundwater relationships
—Surface waters
—Water management (applied)
Water resources development
—Water storage
Water supply
—Water utilization

Connate water 0808.1
BT —Subsurface waters
—Water
—Water types
RT —Groundwater
Juvenile water
—Meteoric water
—Phreatic water
Pores
Porous media
—Rocks
—Saline water
Water sources

Connected joints (pin)
USE Pin connected joints

Connecticut 0806
BT —Geographical regions
—States (geographical)

Connectors (electrical) 0901
RT —Couplings
Electric terminals
—Fasteners

Connectors (mechanical) 1305
RT Adapters
Air circulation
—Couplings
Dowels
—Fasteners
—Fittings
Flanges
Flexible couplings
Hinges
Hooks
Hose fittings
—Joints (connections)
Pin connected joints

Conservation 1407
NT Fish conservation
—Resource conservation
Soil conservation
Water conservation
—Wildlife conservation
RT Adoption of practices
—Cultivation
Demonstration farms
Demonstration watersheds
Development farms
Dissipation
—Economics
—Erosion control
Experimental farms
Forest management
Grassed waterways
—Grasslands
—Land management
Land reclamation
Land resources
Mountain forests
National forests
—National parks
—Natural resources
—Parks
Pasture management
Preservation
Project purposes
Range management
Ranges
—Reclamation
—Resources
Riparian plants
Scenery
Shelterbelts
Water resources development
—Weather modification

Consistency 1407
NT Relative consistency
RT Accuracy
—Atterberg limits
—Coefficients
Errors
Hardness
Performance
—Plasticity
Plasticity index
Plastic limits
Reliability
Reproducibility
Soil plasticity
—Soil properties
Stiffness
Tolerances (mechanics)
Variability

Consolidation 1407
NT Overconsolidation
Preconsolidation
Underconsolidation
RT Beds (geology)
—Compaction
Compressibility
Compressible soils
—Compression
Compression curves
—Deformation
Densification
—Density
Differential settlement
Embankment subsidence
Laitance
Land subsidence
Rebound
—Reduction
—Settlement (structural)
Shallow subsidence
Soil consolidation tests
Soil mechanics
Soil shrinkage
—Stability
—Stabilization
—Strain
—Subsidence
Surcharge
—Volume change

Consolidation tests (soil)
USE Soil consolidation tests

Constraints 1407
NT Institutional constraints
Political constraints
RT Budgeting
—Budgets
—Contracts
Dynamic programming
Linear programming
—Operations research
Ranges
Stochastic models

Constrictions 1407
RT —Barriers
Clogging
Closing
—Closures
Contraction
Obstruction
—Plugs
Retarding
—Seals (stoppers)

Construction 1315
Use of a more specific term is recommended
UF Building
NT Bridge construction
Canal construction
Cold weather construction
—Concrete construction
Dam construction
Erection
Foreign construction
Lift slab construction
Reservoir construction
Road construction
—Tunnel construction
Tunneling
Underwater construction
RT Architecture
Building codes
Caissons
—Civil engineering
—Construction control
Construction costs
—Construction equipment
—Construction joints
Construction management
—Construction materials
—Construction methods
—Construction plants
Construction practices
—Earth handling equipment
—Earthworks
Engineering services
—Engineering structures
—Excavation
Explosive construction
—Explosive excavation
—Explosives
Fabrication
Field control
Foreign activities
—Foundations
—Girders
Grading (earthwork)
Grout curtains
—Grouting
Helicopters
High explosives
Hydraulic fill dams
—Installation
—Maintenance
Nuclear explosions
Paving
Phase studies
—Pile driving
—Placing
Prefabrication
Preloading
Prestressed concrete
Progress reports
Public works
Puddling
—Quality control
Quarrying
Rapid excavation
—Rigid foundations
River closures
Rock fills
Sheathing
Small structures
Soil compaction
Sonic pile driving
Specifications
—Underwater excavation
Vibratory compaction
Vibratory pile driving
—Welding
Wellpoints
Work

Construction control 1315
BT —Control
NT Concrete control
RT Arrow diagrams
Compaction tests
—Concrete construction
—Construction
Construction management
—Construction methods
Construction practices
Critical path method
Dam construction
Dam failure
Dam stability
Erection
Field control
Field laboratories
—Field tests
—Inspection
Lifts (construction)
Materials engineering
Optimum moisture content
Proctor curves
—Quality control
Relative density
Road construction
Selected materials
Slump
Specifications

Construction costs 1401
BT —Costs
RT Adjusted costs
Administrative costs
Alternative costs
Benefit-cost analysis
Benefit-cost ratios
Benefit-cost theory
Capital costs
Comparative costs
—Construction
Construction management
—Construction methods
Construction practices
Contingency costs
—Cost allocation
—Cost analysis
Cost indexes
Cost trends
Deferred costs
Direct costs
Engineering economy
Equipment costs
Estimated costs
Fixed costs
Indirect costs
Initial costs
Intangible costs
Joint costs
Labor costs
Maintenance costs
Operating costs
Overhead costs
Real costs
Replacement costs
Separable costs
Tangible costs
Total costs

Construction equipment 1303
BT —Equipment
NT Asphalt plants
Bulldozers
Clamshells
—Compaction equipment
Concrete plants
—Cranes (hoists)
Draglines
Dredges
Drum rollers
—Earth handling equipment
—Excavators
—Mixers
Overhead cranes
Packers (grouting)
Pneumatic tired rollers
Rock crushers
—Rollers
Scarifiers
Screeds
Sheepsfoot rollers
Tamping rollers
—Tractors
Transit mixers
Traveling cranes
Tunneling machines
Wellpoints
Wheel excavators
RT Air compressors
Belt conveyors
Cold weather construction
—Concrete placing
—Construction
—Conveyors
Diesel engines
—Drilling equipment
Earthmoving
Garages
Hauling
—Hoisting machinery
Ladders
Mobile equipment
Obsolete equipment
Prime movers
Rapid excavation
Scaffolds
Shovels
Slip forms

Construction joints 1305
UF Joints (construction)
BT –Joints (connections)
NT Vertical joints
RT Circumferential joints
–Concrete construction
–Construction
Contraction joints
Dowels
Expansion joints
Horizontal joints
Joint fillers
Keyways
Lifts (construction)
Longitudinal joints
–Masonry
Moistureproofing
Slabs
Transverse joints
Water stops

Construction management 0501
1315
BT –Management
RT –Administration
–Construction
–Construction control
Construction costs
–Construction methods
Construction practices
–Contract administration
Employee relations
Engineering costs
Engineering evaluation
–Engineering personnel
Maintenance personnel
Negotiations
–Personnel
Personnel management

Construction materials 1303
Use of a more specific term is recommended
BT –Materials
NT –Aggregates
Architectural concrete
Asbestos cement
–Asphalts
Bedding materials
Bituminous concretes
Borrow materials
Boulders
Bricks
–Building materials
–Ceramic materials
Coarse aggregates
Cobbles
–Composite materials
–Concretes
Crushed stone
Cyclopean concrete
Dry pack mortar
–Earth materials
Enamels
Epoxy mortar
Expansive concrete
Fiberboards
Fine aggregates
–Glass
–Gravels
High-bond reinforcing bars
High strength concretes
Lacquers
Lightweight concretes
Lime
Low alloy steels
Low carbon steel
Lumber
Marble
Mastics
Mesh reinforcement
–Mortars
Nails
–Paints
Plaster
–Plastics
Plywoods
Polymer concretes
Precast concrete
Prepacked concrete
Prestressed concrete
Pumped concrete
–Reinforced concrete
–Reinforcing materials
–Reinforcing steels
Riprap
Roofing materials
–Rubber
–Sands
Selected materials
Shotcrete
Soil asphalt
Soil cement
–Soils
Stainless steel
–Steel
Stones
Structural concrete
Structural steel
Tiles
Timbers
Tremie concrete
Vacuum concrete
Varnishes
–Wood
RT Architecture
Base courses
–Beams (structural)
Binders
–Bolts
–Borrow areas
Brick masonry
Building codes
Building design
–Buildings
Catalytically blown asphalt
Cationic asphalt emulsions
–Cements
Clay masonry
Cold weather construction
–Concrete construction
Concrete masonry
Concrete mixes
–Concrete placing
–Concrete products
–Construction
–Engineering structures
Fabrication
High strength steels
–Masonry
Mass concrete
Materials failure
–Metals
Pipe design
Quarries
–Reinforcement
Residences
Road design
Rubble masonry
Small structures
Specifications
Stirrups
–Structural members
Wood preservatives

Construction methods 1315
NT Explosive construction
Lift slab construction
Puddling
RT Architecture
Building codes
Cold weather construction
–Concrete construction
–Construction
–Construction control
Construction costs
Construction management
–Construction plants
Construction practices
–Contract administration
Dam construction
Erection
Lifts (construction)
Pumped concrete
Rapid excavation
Slip forms
Sonic pile driving
Specifications
Structural engineering

Construction plants 1303
NT Asphalt plants
Concrete plants
RT –Concrete construction
–Construction
–Construction methods
Construction practices
Dam construction

Construction practices 1315
RT –Concrete construction
–Construction
–Construction control
Construction costs
Construction management
–Construction methods
–Construction plants
–Contract administration
Dam construction
Erection
Explosive construction
Lifts (construction)
Lift slab construction
Specifications

Consulting engineers 0509
BT –Engineering
–Engineering personnel
–Personnel
–Professional personnel
–Technologists
RT Engineering services
–Management

Consumers 0503
NT Water users
RT –Consumption
Gross national product
–Marketing
–Production
Production planning
Purchasing
Sales

Consumption 1407
NT Water consumption
RT Commerce
–Consumers
–Depletion
Sales

Consumptive use (water) 0808
UF Water consumption (plants)
RT Beneficial use
Circulation (plants)
Crop production
Crop response
Demand (irrigation systems)
–Depletion
Diversion losses
Duty of water
Effective precipitation
–Evaporation
–Evapotranspiration
Evapotranspirometers
Excess water (soils)
Growing period
–Hydrology
–Irrigation water
Moisture uptake
Non-consumptive use
–Phreatophytes
Preferences (water rights)
Return flow
Riparian plants
Transpiration
–Water loss
Water requirements

Containers 1304
UF Boxes
Cans
NT Autoclaves
Bins
Buckets
Cisterns
Concrete tanks
Digestion tanks
Drums
Evaporation tanks
Hoppers
Pressure vessels
Sedimentation tanks
Silos
Storage tanks
–Tanks (containers)
–Vessels
–Water tanks
RT –Cells
–Disposal
–Envelopes
–Materials handling equipment
–Storage
–Waste disposal

Contamination 1407
NT Radioactive contamination
Soil contamination
RT Acid streams
–Air pollution
Decontamination
Deleterious materials
–Diseases
–Disposal
Fouling
Impurities
–Industrial wastes
–Poisons
Pollutants
Public health
Purification
Sewage disposal
Soil contamination effects
Thermal pollution
–Toxicity
Toxic waste disposal
Treatment facilities
–Wastes
–Water pollution

Contamination (air)
USE Air pollution

Contamination (radiological)
USE Radioactive contamination

Contamination (river)
USE Stream pollution

Contamination (stream)
USE Stream pollution

Contamination (water)
USE Water pollution

Continental margin 0810
BT –Land forms
NT Continental shelf
Continental slope
RT Coasts
Structural geology

Continental shelf 0810
BT –Continental margin
–Land forms
RT Continental slope
Littoral zone
Marine geology
Neritic
Ocean bottom
Oceans
–Slopes
Structural geology
Tidal waters

Continental slope 0810
BT –Continental margin
–Land forms
–Slopes
RT Continental shelf
Marine geology
Oceans
Structural geology
Turbidity currents

Contingency costs 1401
BT –Costs
RT Associated costs
Construction costs
Electric power costs
Labor costs

Continuity equation 2004
BT –Equations
RT –Flow
–Fluid dynamics
Hydraulic jump
–Hydraulics
Momentum equation

Continuous beams 1313.5
UF Continuous girders
BT –Beams (structural)
–Continuous structures
–Structural members
RT Box beams
–Bridges (structures)
–Buildings
–Structural design

Continuous frames 1313.5
BT –Continuous structures
–Frames
RT –Bridges (structures)
–Buildings
–Concrete structures
Continuous trusses
Space frames
Steel structures
–Structural design
–Structural members
–Wooden structures

Continuous girders
USE Continuous beams

Continuous grazing
  USE Grazing

Continuous structures 1313.5
  BT —Structures
  NT Continuous beams
  Continuous frames
  Continuous trusses
  RT —Bridges (structures)
  —Buildings
  —Concrete structures
  Steel structures
  —Structural design
  —Structural members
  —Wooden structures

Continuous trusses 1313.5
  BT —Continuous structures
  —Trusses
  RT —Buildings
  —Concrete structures
  Continuous frames
  Steel structures
  —Structural design
  —Structural members
  Truss bridges
  —Wooden structures

Contour farming 0203
  BT —Control
  —Cultivation
  —Erosion control
  —Land management
  —Soil management
  RT Contour furrows
  Contours
  Dry land farming
  Farm management
  —Furrows
  Grassed waterways
  —Land forming
  Soil conservation
  Strip cropping
  Terraces
  Terracing
  —Water storage

Contour furrows 0203
  BT —Ditches
  —Furrows
  RT Contour farming
  Drainage systems
  Dry land farming
  Farm management
  —Furrow irrigation

Contour mapping
  USE Topographic mapping

Contours 1407
  RT Agricultural engineering
  Bathymetry
  Configuration
  Contour farming
  Depth
  Elevation
  —Flow control
  Isobars
  Isohyets
  Isotherms
  —Land forming
  —Profiles
  —Roughness
  —Shape
  Smoothness
  Soil conservation
  Strip cropping
  Structural geology
  Topographic mapping
  Topography

Contract administration 0501
  UF Extra work orders
  BT —Administration
  —Management
  NT Bids
  Change orders
  Claims (contracts)
  RT —Agreements
  Competitive bidding
  Construction management
  —Construction methods
  Construction practices
  Contracting
  Contracting officers
  —Contracts
  Engineers estimates
  Incentives
  —Legal aspects
  Negotiations
  Performance
  —Procurement
  Specifications
  —Standards
  Supply contracts

Contracting 0501
  UF Contractors
  BT —Administration
  RT Bids
  Claims (contracts)
  —Contract administration
  Contracting officers
  —Contracts
  —Legal aspects
  Negotiations
  —Procurement
  Supply contracts

Contracting officers 0501
  RT —Contract administration
  Contracting
  —Contracts
  —Legal aspects
  Negotiations
  Performance
  Specifications
  —Standards

Contraction 1407
  RT Constrictions
  —Cooling
  —Expansion
  Internal forces
  Nappe
  Nozzles
  —Orifices
  Precooling
  —Reduction
  —Relaxation (mechanics)
  Retarding
  —Shrinkage
  Stiffening
  —Strain
  Sudden enlargements
  Taper
  —Transitions (structures)
  Vena contracta
  —Venturi flumes
  Venturi meters
  —Weirs

Contraction joints 1305
  BT —Joints (connections)
  RT Circumferential joints
  —Concrete construction
  —Construction joints
  Dowels
  Expansion joints
  Joint fillers
  Keyways
  Longitudinal joints
  Slabs
  Transverse joints
  Vertical joints

Contractors
  USE Contracting

Contracts 0501 0503
  UF Contracts (engineering)
  Engineering contracts
  NT Change orders
  Claims (contracts)
  Repayment contracts
  Supply contracts
  RT —Agreements
  Allotments
  —Benefits
  Bids
  Competitive bidding
  —Constraints
  —Contract administration
  Contracting
  Contracting officers
  —Economics
  Engineers estimates
  Foreign products
  Grants
  Guarantees
  Institutional constraints
  Leases
  —Legal aspects
  Litigation
  Negotiations
  —Procurement
  —Projects
  Public works
  Purchasing
  Real property
  Repayment
  Specifications
  Wages
  Working conditions

Contracts (engineering)
  USE Contracts

Control 1407
  Use of a more specific term is recommended
  NT Air pollution control
  Algal control
  —Animal control
  Anodic protection
  Aquatic weed control
  Automatic control
  Biocontrol
  Brush control
  Cathodic protection
  Cavitation control
  Chemcontrol
  Concrete control
  —Construction control
  Contour farming
  —Corrosion control
  Cultural control
  Dust control
  —Erosion control
  Evaporation control
  Evapotranspiration control
  Field control
  Fish guiding
  Flood control
  —Flow control
  Gate control
  Geologic control
  Governors
  Insect control
  Load-frequency control
  Manual control
  Materials control
  Mechanical control
  —Pest control
  Phase control
  —Physical control
  —Pollution control
  —Quality control
  Rapid compaction control
  Remote control
  Sediment control
  Seepage control
  Statistical quality control
  Supervisory control (power)
  Temperature control
  Transpiration control
  Water control
  Water pollution control
  Water quality control
  —Weed control
  RT —Abatement
  Controlled drainage
  Control structures
  Control systems
  Coordination
  Critical path method
  Electric wiring
  Industrial production
  —Inspection
  —Instrumentation
  Integrated control measures
  —Licenses
  Monitoring
  —Operations
  —Permits
  —Pesticides
  Plant growth regulators
  Plant growth substances
  Preservation
  —Productivity
  —Regulation
  Retardance
  Scheduling
  —Stabilization
  —Standards
  —Succession
  Vegetation
  Voltage regulation
  Watershed management
  —Weirs

Control (rapid compaction)
  USE Rapid compaction control

Control (soil erosion)
  USE Soil erosion

Control equipment 1309 1402
  NT Airblast circuit breakers
  Air switches
  —Circuit breakers
  Disconnecting switches
  Electric relays
  —Electric switches
  Interrupters
  Interrupter switches
  Pressure regulators
  Relief valves
  Servomechanisms
  Thermostats
  Voltage regulators
  RT Actuators
  Automatic control
  Automation
  —Computer systems hardware
  Control systems
  Field control
  Field laboratories
  Governors
  Manual control
  Nonlinear systems
  Pneumatic systems
  —Recording systems

Controlled drainage 0808.1
  BT —Drainage
  RT —Control
  Drainage engineering
  Drainage practices
  Drainage systems

Control structures 1313.1
  (limited to water control structures)
  BT —Engineering structures
  —Hydraulic structures
  —Structures
  RT Backwater profiles
  Check dams
  —Check structures
  Chute spillways
  Closed conduit spillways
  Cofferdams
  —Control
  —Dams
  Dentated sills
  Diversion dams
  Emergency closures
  Flip buckets
  Floodgates
  Floodways
  —Intake structures
  Jetties
  —Outlet works
  —Spillways
  Water control
  Water surface
  —Water surface profiles

Control systems 1309 1402
  RT Automatic control
  Automation
  —Control
  —Control equipment
  —Detectors
  —Electrical equipment
  —Electronic equipment
  Feedback
  Governors
  —Instrumentation
  Materials control
  Mechanical control
  Monitoring
  Nonlinear systems
  Pneumatic systems
  Pressure regulators
  Protective relaying
  —Pumps
  —Recording systems
  —Regulation
  Remote control
  Scheduling
  —Sensors
  Servomechanisms
  Telemetry
  —Water management (applied)
  —Water resources management

Convection 2013
  BT —Circulation
  —Movement
  —Transport phenomena
  RT Advection
  Air circulation
  —Atmosphere
  Benard cells
  Boundary processes

Convection (Con.)
—Clouds
Conduction
Convection clouds
Crop response
—Currents (water)
—Cycles
Dispersion
—Energy transfer
—Fluid dynamics
—Heat
—Heating
Heat transfer
Heat transmission
Mass transfer
Mixing
Mixing length
—Movement
Preheating
Thermal stratification
—Water circulation

Convection (heat)
USE Thermal conductivity

Convection clouds 0402
BT —Clouds
RT Cloud physics
Convection
—Meteorology
Thunderstorms
Weather

Conventions
USE Conferences

Converging flow 2004
BT —Flow
—Movement
RT Approach channels
Backwater
—Drawdown
Open channel flow
—River flow
Wakes

Conversion 1407
NT Energy conversion
RT —Chemical reactions
Combustion
Design improvements
Design modifications
—Digestion
—Liquefaction
Preheating
—Processing
—Transformations

Conversion (saline water)
USE Demineralization

Conversion (salt water)
USE Demineralization

Conversion (sea water)
USE Demineralization

Converters (digital-to-analog)
USE Digital to analog converters

Converters (electrical) 0905
UF Electric converters
BT —Electrical equipment
NT Frequency converters
RT Amplifiers
Direct current
—Electric current
—Electric generators
—Electric power
Induction motors
—Inverters
Power supplies
Rectifiers
Signal generators
Substations (electrical)
Switchyards (electrical)
Terminal facilities (electrical)
—Transmission (electrical)

Conveyance (water)
USE Water conveyance

Conveyances 1309
RT —Aircraft
Automobiles
Belt conveyors
Blowers
—Conveyors
—Disposal
Elevators
Feeders
Hauling
Skids
Sleds
Tramways
—Transportation

Conveyance structures 1313.1
BT —Hydraulic structures
—Structures
NT Aqueducts
—Canals
Chutes
Clay pipes
—Closed conduits
Concrete pipes
—Conduits
Diversion tunnels
Earth-lined canals
—Flumes
—Irrigation canals
—Laterals
—Lined canals
Metal pipes
—Noncircular conduits
Penstocks
—Pipelines
Plastic pipes
Pressure conduits
Pressure tunnels
Rectangular conduits
Siphons
Sluices
Steel pipes
Sublaterals
—Tunnels
RT Bypasses
Concrete-lined canals
Concrete pipes
—Concrete structures
—Ditches
Floodways
Metal pipes
—Outlet works
Plastic pipes
Public works
Sewers
Steel pipes
Trapezoidal channels
Trapezoidal flumes
—Tubes
Water control
Water conveyance
Water plans
—Water tunnels (conveyance)

Conveyors 1309
BT —Equipment
—Materials handling equipment
NT Belt conveyors
RT Chutes
—Construction equipment
Conveyances
—Earth handling equipment
Earthmoving
Elevators
Feeders
Hauling
—Rollers
Skids
Tramways
Wheel excavators

Coolants 1301
RT Air conditioning
Brines
—Cooling
Cooling systems
Dry ice
—Ice
Nuclear reactors
Precooling
Refrigerants
Refrigeration
Temperature control
Water cooling

Cooling 1301
BT —Transport phenomena
NT Supercooling
Water cooling
RT Ablation
Air conditioning
—Condensation
Contraction
Coolants
Cooling systems
Cryology
—Environmental engineering
Fans
Fins
—Freezing
Heat balance
—Heating
Heat transfer
Melting
Preheating
—Processing
Quenching
Radiators
Refrigeration
Refrigerators
—Subsidence
—Thermal analysis
Thermal stress
Ventilation
Vortex tubes
Wetting

Cooling systems 1301
RT Absorbers
Air circulation
Air conditioning
Blowers
Coils
—Compressors
Condensers (liquefiers)
Coolants
—Cooling
Cooling towers
Ducts
—Evaporators
Fans
Heat exchangers
Heat pumps
Piping systems (mechanical)
Radiators
Refrigerants
Refrigerators
Ventilation
Vents
Water cooling

Cooling towers 1301
BT —Engineering structures
RT Air conditioning
Cooling systems
—Equipment
Fins
Heated water
Hydroelectric powerplants
Precooling
Water cooling
Water recirculation

Cooling water 1301
UF Industrial cooling
BT —Water
—Water types
RT Artificial use
Calefaction
—Industrial water
Reasonable use
—Riparian rights
Water pollution sources

Cooperation 1407
RT Cooperatives
Coordination
Federal-state cooperation

Cooperatives 0503
BT —Organizations
RT Cooperation
—Economics
Interstate
Trade associations

Coordinate indexing 0502
BT —Indexing
—Subject indexing
RT —Documentation
Information retrieval

Coordinates 1201
NT Grid systems
RT —Algebra
Geometry
—Mapping
Position finding
—Surveying

Coordination 0501
RT —Administration
—Control
Cooperation
Correlation
—Management
Organizing
—Planning
Scheduling
Supervision
Systems engineering

Copepods 0603.2
BT —Animals
—Aquatic animals
—Aquatic life
—Crustaceans
—Invertebrates

Copolymers 0703
BT —Chemical compounds
—Organic compounds
RT —Composite materials
—Elastomers
—Plastics
Polymers
—Styrene resins
—Synthetic resins

Copper 0702
BT —Chemical elements
—Metals
RT Brass
—Copper alloys
—Copper compounds
Copper tubing
—Mines

Copper alloys 1106
BT —Alloys
—Metals
NT Brass
RT Copper

Copper compounds 0702 0703
BT —Chemical compounds
NT Copper sulfate
RT Copper

Copper sulfate 0702
BT —Chemical compounds
—Copper compounds
—Inorganic compounds
—Sulfates
—Sulfur compounds
RT Algicides
—Inorganic pesticides
—Pesticides

Copper tubing 1311
BT —Tubes
RT Coils
Compression fittings
Copper
—Pipes
Piping systems (mechanical)
Plastic tubing
Rigid pipes
—Rigid tubing
Rubber tubing

Coral 0603.2 0801
BT —Animals
—Aquatic animals
—Aquatic life
—Invertebrates
—Marine animals
RT Atolls
—Calcium carbonate
—Carbonate rocks
Reefs

Corbels 1313.5
BT —Structural members
RT Architecture
Cantilevers

Core drilling 1302
UF Diamond bits
BT —Drilling
RT Boreholes
Boring
Calyx drills
Cores
Denison samplers
Drilling fluids
Drive samplers
Recovery
Rotary drilling
—Rotating machines
—Samplers
—Sampling
Test holes

Coregonus species
USE Cisco

Cores 0807
RT Boreholes
–Borings
Calyx drills
Core drilling
Denison samplers
Disturbed samples
Drive samplers
–Logging (recording)
Recovery
–Samples
–Sampling
Test holes
Undisturbed samples

Cores (electromagnetic)
USE Electromagnets

Cores (magnetic)
USE Electromagnets

Coriolis force 2011
RT Rotation
–Wind (meteorology)

Cork 1112
RT Acoustic insulation
Floats
–Wood

Corn (field) 0204
UF Zea mays
BT –Agronomic crops
–Cereal crops
–Crops
–Field crops
–Grasses
–Monocots
–Plants (botany)
RT Grains (crops)
Silage
Sweet corn

Corn (pop)
USE Popcorn

Corn (sweet)
USE Sweet corn

Corn belt 0806
BT –Geographical regions
–Regions
NT Illinois
Indiana
Iowa
Minnesota
Missouri
Nebraska
Ohio
South Dakota
Wisconsin
RT Agricultural watersheds
Chernozems
Watershed management

Coronas (electric)
USE Electric coronas

Correction 1407
RT Accuracy
Alinement
Design improvements
Design modifications
Editing
Errors

Correlation 1407
RT Computer models
Coordination
Correlation analysis
Correlation techniques
–Evaluation
–Forecasting
Least squares method
–Mathematical models
Multiple regression
–Numerical analysis
Optimization
Probability theory
–Quality control
–Regression analysis
Standard deviation
–Statistical analysis
Time series analysis
Variability

Correlation analysis 1201
BT –Analysis
–Mathematical analysis
–Mathematical studies
–Statistical analysis
RT Correlation
Correlation techniques
Least squares method
–Regression analysis
Variability

Correlation techniques 1201
RT Correlation
Correlation analysis
Curve fitting
Least squares method
Multiple regression
–Quality control
–Regression analysis
–Statistical analysis

Corrosion 1113
NT Atmospheric corrosion
–Galvanic corrosion
Rusting
Scale (corrosion)
Sea water corrosion
Stray current corrosion
Stress corrosion
Underground corrosion
Underwater corrosion
RT Aging (physical)
Anodic protection
Buried metalwork
Cathodic protection
Cavitation
–Chemical degradation
–Chemical properties
–Chemical reactions
Chemical stability
–Corrosion control
Corrosion currents
Corrosion environments
Corrosion resistance
Corrosion tests
–Damages
–Degradation
–Degradation (decomposition)
Deterioration
Electrochemistry
Electrolysis
Etching
–Failure
Fatigue (materials)
Galvanizing
Metal coatings
Mill scale
Oxidation
Pipe linings
Pitting
–Protective coatings
–Saline water
Scaling
–Sulfate reducing bacteria
–Surface properties
Weathering
Well filters

Corrosion control 1113
UF Anticorrosion materials
Corrosion prevention
Corrosion protection
Corrosion reduction
BT –Control
NT Anodic protection
Cathodic protection
Rust control
RT Buried metalwork
Chemical stability
Coal tar coating
–Corrosion
Corrosion resistance
Deaeration
–Galvanic corrosion
Galvanizing
Inhibition
–Linings
Metal coatings
–Pipelines
Pipe wrappings
Preservation
–Protective coatings
Soil chemistry
Stainless steel
Underground corrosion
Underwater corrosion
–Water treatment
Weatherproofing
Well casings
Well filters
Well screens

Corrosion currents 1113
BT –Electric current
RT Anodic protection
Cathodic protection
–Corrosion
Corrosion environments
–Galvanic corrosion
Ground currents
Soil resistivity
Stray current corrosion
Underground corrosion

Corrosion environments 1113
RT Anaerobic soils
Atmospheric corrosion
Cavitation
–Corrosion
Corrosion currents
Corrosion resistance
Corrosion tests
–Environmental tests
–Environments
Exposure
Sea water corrosion
Underground corrosion
Underwater corrosion
–Wastes
–Water

Corrosion prevention
USE Corrosion control

Corrosion protection
USE Corrosion control

Corrosion reduction
USE Corrosion control

Corrosion resistance 1113
BT –Chemical properties
–Durability
–Mechanical properties
RT Anodic protection
Chemical stability
–Corrosion
–Corrosion control
Corrosion environments
Corrosion tests
Passive metals
Sea water corrosion

Corrosion tests 1113
BT –Materials tests
–Tests
RT Accelerated tests
–Corrosion
Corrosion environments
Corrosion resistance
Destructive tests
–Environmental tests
Exposure tests
–Galvanic corrosion
Sea water corrosion
Weathering

Corrugated metal pipe 1311
BT –Closed conduits
–Conduits
–Pipes
–Rigid tubing
–Tubes
RT Crossings
Culverts
–Drainage
–Noncircular conduits
Rigid pipes

Cosmic particles
USE Cosmic rays

Cosmic radiation
USE Cosmic rays

Cosmic rays 0302
UF Cosmic particles
Cosmic radiation
Radiation (cosmic)
BT –Radiation
–Transport phenomena
RT Albedo
Alpha particles
Beta particles
Electrons
Gamma rays
Neutrons
Protons
Solar radiation
X-rays

Cost allocation 1401
BT –Allocations
NT Separable cost allocation
RT Benefit-cost analysis
Budgeting
–Budgets
Construction costs
Cost repayment
–Costs
Cost sharing
Cost transfer
Decision making
–Economics
Engineering costs
–Feasibility
Federal project policy
Maintenance costs
Overhead costs
Project planning
–Water policy

Cost analysis 1401
BT –Analysis
NT Benefit-cost analysis
Cost comparisons
RT –Appraisals
Bids
Construction costs
Cost indexes
–Costs
–Economics
Electric power costs
Engineering costs
Engineering economy
Engineers estimates
–Evaluation
Feasibility studies
Income analysis
Labor savings
Land appraisal
Optimum design
Overhead costs
Unit costs
Value engineering

Cost-benefit analysis
USE Benefit-cost analysis

Cost-benefit ratios
USE Benefit-cost ratios

Cost-benefit theory
USE Benefit-cost theory

Cost comparisons 1401
UF Comparisons (cost)
BT –Cost analysis
RT –Analysis
Benefit-cost analysis
Cost indexes
–Costs
Cost savings
Cost trends
Diseconomies of scale
Economies of scale
Financial analysis
Overhead costs
Unit costs

Cost indexes 1401
BT –Indexes (ratios)
RT Construction costs
–Cost analysis
Cost comparisons
–Costs
Cost savings
–Demand
Economic growth
Estimated costs
Estimating
Inflation (economic)
–Prices

Cost repayment 0503
UF Reimbursement
BT –Payment
RT Benefit-cost analysis
Benefit-cost theory
Compensation
Condemnation
–Cost allocation
–Costs
Cost sharing
Debt
–Economics
–Feasibility

Cost repayment (Con.)
    Federal project policy
    Government supports
    Grants
    Loans
    Project planning
  –Water policy

Costs 1401
  UF Expenses
  NT Adjusted costs
    Administrative costs
    Alternative costs
    Annual costs
    Annual equivalent costs
    Associated costs
    Average costs
    Capital costs
    Comparative costs
    Construction costs
    Contingency costs
    Deferred costs
    Direct costs
    Drainage costs
    Electric power costs
    Engineering costs
    Equipment costs
    Estimated costs
    Fixed costs
    Indirect costs
    Induced costs
    Initial costs
    Installation costs
    Insurance costs
    Intangible costs
    Joint costs
    Labor costs
    Maintenance costs
    Marginal costs
    Non-reimbursable costs
    Operating costs
    Operation and maintenance costs
    Overhead costs
    Real costs
    Reimbursable costs
    Replacement costs
    Separable costs
    Specific costs
    Tangible costs
    Total costs
    Unit costs
    Variable costs
    Water costs
  RT Accounting
  –Allocations
    Auditing
    Benefit-cost analysis
    Benefit-cost ratios
    Benefit-cost theory
    Bids
    Byproducts
  –Cost allocation
  –Cost analysis
    Cost comparisons
    Cost indexes
    Cost repayment
    Cost savings
    Cost sharing
    Cost transfer
    Cost trends
  –Damages
    Depreciation
    Discount rate
    Diseconomies of scale
    Economic efficiency
  –Economics
  –Economies
    Economies of scale
  –Efficiencies
    Electric power rates
    Engineers estimates
    Expenditures
    Farm management
    Finance
    Financial analysis
    Financing
    Government finance
  –Income
    Industrial production
  –Insurance
    Interest (finance)
    Interest rate
    Labor savings
  –Marketing
    Monetary benefits
  –Operation and maintenance
  –Payment
    Personnel management
  –Prices
  –Procurement
  –Profit
    Project planning
    Renting
    Repayment
    Repayment contracts
    Return to scale
    Royalties
    Salaries
    Tariff
  –Taxes
    Tax rate
    Value engineering
    Wages
    Water pricing
    Water rates
  –Water utilization

Cost savings 1401
  RT Cost comparisons
    Cost indexes
  –Costs
  –Economics
  –Economies
  –Evaluation
    Innovation
    Inventions
    Labor savings
    Mechanization
    Purchasing
  –Reduction
    Time and motion studies
    Unit costs
    Value engineering

Cost sharing 1401
  RT –Administration
    Administrative costs
    Benefit-cost analysis
    Budgeting
  –Cost allocation
    Cost repayment
  –Costs
    Cost transfer
    Decision making
    Federal project policy
    Labor savings
    Non-reimbursable costs
    Project planning
    Reimbursable costs
    Separable costs
  –Water policy

Cost transfer 1401
  RT Budgeting
  –Budgets
  –Cost allocation
  –Costs
    Cost sharing
    Overhead costs

Cost trends 1401
  RT Construction costs
    Cost comparisons
  –Costs
    Engineering costs

Cottidae
  USE Sculpins

Cotton 0204
  UF Gossypium species
  BT –Agronomic crops
  –Crops
  –Dicots
  –Fiber crops
  –Field crops
  –Horticultural crops
  –Plants (botany)
  RT Fibers (plant)
    Textiles

Cottonwoods 0603.1
  UF Populus species
  BT –Crops
  –Deciduous trees
  –Dicots
  –Horticultural crops
  –Phreatophytes
  –Plants (botany)
  –Trees

Counters 1402
  NT Geiger counters
    Neutron counters
    Scintillation counters
  RT –Detectors
    Digital systems
  –Measuring instruments
  –Recording systems
  –Sensors

Counters (time interval)
  USE Timing circuits

Couplings 1305
  NT Flexible couplings
  RT –Bolts
    Clutches (mechanical)
    Collars
    Connectors (electrical)
    Connectors (mechanical)
  –Fasteners
  –Fittings
    Flanges
    Hose fittings
  –Joints (connections)
  –Mechanical fasteners
  –Pins (mechanical)
    Pipe fittings
    Power transmission (mechanical)
    Screws
  –Shafts (machinery)
    Trailers
    Transmissions (mechanical)
    Turbine shafts

Couplings (hose)
  USE Hose fittings

Court decisions
  USE Judicial decisions

Cover crops 0204
  BT –Crops
  –Plants (botany)
  NT Food and cover crops
  RT –Agronomic crops
  –Erosion control
    Ground cover
  –Organic matter
    Planting management
    Seeding
    Soil conservation
    Stubble mulching

CPM
  USE Critical path method

Crabs 0603.2
  BT –Animals
  –Aquatic animals
  –Aquatic life
  –Commercial shellfish
  –Crustaceans
  –Invertebrates
  –Shellfish

Cracking 2012
  RT Brittle fractures
  –Brittle fracture theory
  –Cracks
    Crazing
  –Damages
    Dam breaches
    Dam failure
    Deflection
    Distortion (structural)
  –Failure
  –Failure (mechanics)
    Fatigue (materials)
    Fissures
  –Fractures
    Fragmentation
    Griffith theory
    Materials failure
  –Microseisms
    Rock noise
    Rupturing
  –Shrinkage
    Stress corrosion
    Weathering

Cracks 1113
  NT Shear cracks
  RT Autogenous healing
    Brittle fractures
  –Brittle fracture theory
    Cavities
    Cleavage
    Cracking
    Crazing
    Crevasses
  –Damages
    Dam failure
    Defects
    Deflection
    Distortion (structural)
  –Failure (mechanics)
    Failure surfaces
    Fissures
  –Fissures (geology)
  –Fractures
    Fractures (geology)
    Griffith theory
    Grout stops
    Interstices
    Joints (geology)
    Tunnel failure

Crafts 0509
  RT Abilities
    Occupations

Cranberries 0204
  UF Vaccinium macrocarpum
  BT –Crops
  –Dicots
  –Fruit crops
  –Horticultural crops
  –Plants (botany)
  –Shrubs

Cranes (hoists) 1309
  BT –Construction equipment
  –Equipment
  –Materials handling equipment
  NT Overhead cranes
    Traveling cranes
  RT Handling equipment
  –Hoisting machinery
    Mechanical equipment
    Mobile equipment
    Rails

Crappies
  USE Sunfishes

Cratering 1315
  RT –Blasting
    Charges (explosives)
    Craters
  –Earthworks
  –Excavation
  –Explosions
    Explosive construction
  –Explosive excavation
  –Explosives
    Nuclear excavation
    Nuclear explosions
    Rapid excavation

Craters 0806
  RT –Blasting
    Cratering
  –Excavation
  –Explosions
    Explosive construction
  –Explosive excavation
    Nuclear explosions
    Rock mechanics
    Volcanoes

Crayfish 0603.2
  BT –Animals
  –Aquatic animals
  –Aquatic life
  –Crustaceans
  –Invertebrates

Crazing 1308
  RT Cracking
  –Cracks
    Fissures
  –Fractures
  –Surface properties

Creative processes
  USE Creativity

Creativity 0510
  UF Creative processes
  RT Abilities
    Aesthetics
  –Design
    Drawings
    Highway beautification
    Ideas
    Innovation
    Inventions
  –Planning
  –Psychology
    Reasoning

Credit 0503
  RT Debt
    Discount rate
    Finance

Credit (Con.)
Financing
Grants
Interest rate
Investment
Liabilities
Loans
–Marketing
–Payment
Principal

Creeks
USE Streams

Creel census 0511
BT –Census
RT Aquatic productivity
Fish establishment
Fish harvest
–Fishing
Fish populations
–Sampling
Surveys (data collection)

Creep 2012
UF Plastic flow
BT –Mechanical properties
RT Concrete properties
Creep tests
–Deformation
Fatigue (materials)
–Mass wasting
Plastic deformation
Plastic failure
–Plasticity
–Relaxation (mechanics)
Residual stress
Rheology
Rock mechanics
–Slopes
Snow mechanics
–Strain
–Stress
Stress relaxation
–Temperature
–Time

Creep tests 1402
BT –Materials tests
–Tests
RT –Compression tests
Creep
Fatigue tests
High temperature research
Plastic deformation
Plastic failure
Tension tests

Crenichthys species
USE Killifishes

Creosote 1107
BT –Chemical compounds
–Organic compounds
RT –Pesticides
–Wood
Wood preservatives

Crested wheatgrass
USE Wheatgrasses

Crests (spillway)
USE Spillway crests

Crests (weirs)
USE Weir crests

Crevasses 0807
BT –Geologic structures
RT –Cracks
–Fissures (geology)
Glaciers
–Ice

Cribbing 1313
RT Bins
Cellular structures
Crib walls
–Earthworks
Gabions
–Retaining walls
Shoring
Slope stabilization
–Supports
–Walls

Crib walls 1313
BT –Engineering structures
–Retaining walls
–Walls
RT Cellular structures
Cribbing
Shoring
Slope stabilization

Crimson clover 0204
UF Trifolium incarnatum
BT –Agronomic crops
–Clovers
–Crops
–Dicots
–Field crops
–Forage legumes
–Forages
–Horticultural crops
–Legumes
–Plants (botany)

Criteria 1407
NT Design criteria
Operating criteria
RT –Codes
Comparative studies
–Evaluation
Recommendations
Specifications
–Standards

Criteria (design)
USE Design criteria

Critical density 1407
BT –Density
–Physical properties
RT Soil liquefaction

Critical depth 2004
RT –Critical flow
Critical slopes
Critical velocity
Energy gradient
–Fluid mechanics
Hydraulic gradient
–Hydraulics
Spillway capacity
Stilling basins
Subcritical flow
Supercritical flow
–Water surface profiles

Critical flow 2004
BT –Flow
–Fluid flow
–Movement
NT Subcritical flow
Supercritical flow
RT Critical depth
Critical slopes
Critical velocity
Flow patterns
Froude number
High velocity
Hydraulic jump
Laminar flow
Orifice flow
Pipe flow
Reynolds number
Standing waves
Steady flow
Transient flow
Transition flow
Turbulent flow
Wave pile-up

Critical path method 0501
UF CPM
BT –Methodology
–Operations research
RT Arrow diagrams
–Computers
–Construction control
–Control
Estimating
Field control
Flow charts
PERT
–Planning
–Production
Production planning
Project planning
Scheduling
Timing

Critical slopes 0813 2004
BT –Slopes
RT Angle of repose
Critical depth
–Critical flow
Critical velocity
Cut slopes
Debris avalanches
–Fluid flow
–Fluid mechanics
Hydraulic gradient
–Hydraulics
–Landslides
Rockslides
Slope angles
–Stability analysis

Critical speed 1309.1
RT –Hydraulic turbines
–Shafts (machinery)
Turbine blades
Turbine efficiency
Turbine runners
–Vibration

Critical tractive force 0808
BT –Tractive forces
RT Bed load
–Beds
–Boundary layer
Boundary shear
Degradation (stream)
Open channel flow
Saltation
–Sediments
–Sediment transport
–Streambeds
Stream erosion
Stream stabilization

Critical velocity 2004
BT –Velocity
RT Critical depth
–Critical flow
Critical slopes
Energy gradient
–Fluid mechanics
Free flow
Hydraulic gradient
–Hydraulics
Permissible velocity
Subcritical flow
Supercritical flow
Velocity head

Cropping patterns 0204
RT Agronomy
–Crops
Farm management
Vegetation

Cropping systems
USE Farm management

Crop production 0204
RT Acreage
Agriculture
–Agronomic crops
Agronomy
Consumptive use (water)
Crop response
–Crops
Crop yield
–Cultivation
Demonstration farms
Dry land farming
Duty of water
Fallowing
Farm management
Farm prices
Fertilization
–Harvesting
Irrigation efficiency
Land use
Nutrient requirements
Optimum crop yield
Orchards
Plant breeding
–Plant growth
Planting management
–Productivity
–Reproduction (biology)
Rotation
Seeding
Sprinkler irrigation
Standing crop
–Value
Vegetation
Water requirements
–Water utilization
Yield equations

Crop response 0204
RT Advection
–Agronomic crops
Agronomy
Cold resistance
Consumptive use (water)
Convection
Crop production
–Crops
–Cutting management
Disease resistance
Drainage effects
Drought resistance
Drought tolerance
Duty of water
Farm management
Fertilization
–Freezing
Growing period
Growth rates
–Growth stages
–Horticultural crops
Insect resistance
Irrigation effects
Irrigation efficiency
Lodging
Moisture availability
–Mulching
Nutrient requirements
Pasture management
Persistence
–Plant growth
Planting management
–Plants (botany)
–Resistance
Seeding
Stubble mulching
Timing
–Vegetable crops
Vegetation
Water injury

Crop rotation
USE Farm management

Crops 0204
BT –Plants (botany)
NT –Agronomic crops
Alfalfa
Alligatorweed
Alsike clover
Apples
Ash trees
Asparagus
Bahiagrass
Barley
Beans
Birch trees
Black locust trees
Blueberries
–Bluegrasses
Bromegrass
–Brush
Cacti
Carrots
Catch crops
–Cereal crops
Chaparral
–Citrus fruits
–Clovers
Coastal bermudagrass
Corn (field)
Cotton
Cottonwoods
–Cover crops
Cranberries
Crimson clover
Dallisgrass
Dates
–Deciduous trees
Fescues
–Fiber crops
–Field crops
Food and cover crops
–Forage grasses
–Forage legumes
Forage mixtures
–Forages
–Fruit crops
Grama grasses
Grapefruit
Halogeton
Hay
Hickory trees
–Horticultural crops
Industrial crops
Kentucky bluegrass
Ladino clover
–Legumes
Lemons
Lespedeza
Lettuce

Crops (Con.)
Lilac
Limes
Macadamia
Maple trees
Melons
Merion bluegrass
Mesquite
—Nuts
Oak trees
Oats
—Oilseed crops
Onions
Oranges
Orchardgrass
Orchards
—Ornamentals
Peaches
Peanuts
Pecans
Perennial ryegrass
—Pome fruits
Popcorn
Potatoes
Rabbitbush
—Range grasses
Red clover
Rice
Sagebrush
Sago pondweed
Seepwillow
—Shrubs
Snapdragons
Sorghum
Soybeans
—Specialty crops
Standing crop
Stinging nettles
—Stone fruits
Strawberries
Sudangrass
Sugar beets
Sugarcane
—Sugar crops
Sweet corn
Sweet potatoes
Switchgrass
Sycamore trees
Tamarisk
Tobacco
Tomatoes
Tropical fruits
—Vegetable crops
Vetch
—Vine crops
Water hyacinth
Wheat
Wheatgrasses
White clover
Willow trees
RT Agriculture
Cropping patterns
Crop production
Crop response
Crop yield
Demand (irrigation systems)
Development farms
Dry land farming
Duty of water
Experimental farms
Farm management
—Farms
Fertilization
—Harvesting
Optimum crop yield
—Pesticides
Plant groupings
—Soil management
Terraces
Varieties
Vegetation

Crop science
USE Agronomy

Crop yield 0204
RT Crop production
—Crops
Vegetation

Crossings 1302
RT —Bridges (structures)
Corrugated metal pipe
Culverts
—Flumes
Highway engineering
—Highways
Jacking
Pipe laying
—Pipelines
Railroads
Siphons
Skewed structures
Submarine pipelines
—Trestles

Cross sections 1407
RT Drawings

Cruises 0511
BT —Recreation
RT —Ships

Crushed stone 1303
BT —Construction materials
—Granular materials
RT —Aggregates
Bedding materials
Boulders
Coarse aggregates
Cobbles
Cohesionless soils
Fine aggregates
Fragmented materials
—Gravels
Riprap
Rock crushers
Rock flour

Crushers
USE Crushing

Crushing 1308
UF Crushers
RT Ball mills
Fragmentation
Grinding
Pipe tests
Rock breakage
Rock crushers
Rod mills
Spalling

Crustaceans 0603.2
UF Cladocera
BT —Animals
—Aquatic animals
—Aquatic life
—Invertebrates
NT Amphipoda
Brine shrimp
Copepods
Crabs
Crayfish
Daphnia
Isopods
Lobsters
Opossum shrimp
Pink shrimp
—Shrimp
—Waterfleas
RT —Aquatic microorganisms
—Commercial shellfish
—Shellfish

Crusts 1407
RT —Coatings
—Geophysics
Incrustation
Scale (corrosion)
Structural geology
—Surfaces
—Surfacing

Cryogenics 2013
UF Low temperature studies
RT Cryology
—Freezing
Liquefied gases
Low temperature
Phase studies
Refrigeration
—Temperature

Cryology 0812 2013
RT —Cold regions
—Cooling
Cryogenics
Glaciers
—Ice
Refrigeration
—Snow

Crystal growth 2002
BT —Growth
RT Crystallization
Crystallography
—Crystals
Growth rates
Nucleation
—Nuclei

Crystalline rocks 0807
BT —Rocks
NT —Acidic rocks
Andesite
Basalt
—Basic rocks
Gabbro
Gneiss
Granite
—Igneous rocks
Marble
—Metamorphic rocks
Pegmatites
—Plutonic rocks
Quartzite
Rhyolite
Schist
Slate
Syenite
—Tuff
Ultrabasic rocks
—Volcanic rocks

Crystalline structures
USE Crystallography

Crystallization 2002
RT Crystal growth
Crystallography
—Crystals
—Freezing
Nucleation
—Nuclei
Phase studies
Phase transformations
Precipitation (chemistry)
Purification
—Separation techniques
Solidification
Solubility
Supercooling
Supersaturation
Water of crystallization
Water of hydration

Crystallography 2002
UF Crystalline structures
BT —Physics
RT Crystal growth
Crystallization
—Crystals
Ice crystals
—Microscopy
Mineral analysis
Mineralogy
Molecular structure
Nucleation
Orientation
Petrographic investigations
—Petrography
Phase transformations
Solid state physics
X-ray diffraction

Crystals 2002
NT Clathrates
Ice crystals
RT Cleavage
Crystal growth
Crystallization
Crystallography
Microstructure
Mineralogy
—Minerals
Molecular structure
X-ray diffraction

Cucumis melo
USE Melons

Culinary use
USE Domestic water

Cultivated lands 0204
UF Fields (cultivated)
RT Acreage
Agriculture
—Cultivation
—Grasslands
—Land management
—Regions
—Soil management
Terrestrial habitats
Watershed management

Cultivation 0204
UF Tillage
BT —Land management
—Soil management
NT Chiselling
Contour farming
Deep tillage
RT Arable land
—Conservation
Crop production
Cultivated lands
Cultural control
Fallowing
Farm management
—Furrow irrigation
—Furrows
—Irrigation practices
Planting management
Plowing
—Resource conservation
Root zone
Seeding
Soil conservation
Soil environment
Soil erosion
Soil treatment
—Weed control

Cultural control 0606
BT —Control
RT Burning
—Cultivation
Insect control
Integrated control measures
Manual control
Mechanical control
—Pest control
—Physical control
—Weed control

Cultures 0613
RT Activated sludge
—Algae
Archaeology
—Bacteria
Farm wastes
Fermentation
—Fungi
Hydroponics
—Microbiology
—Plant growth
—Plant tissues
—Sewage treatment
Sludge treatment
—Soil microorganisms

Culverts 1313.3
BT —Buried pipes
—Conduits
RT Corrugated metal pipe
Crossings
—Drains
—Engineering structures
Headwalls
Highway engineering
Horizontal drains
—Hydraulics
—Hydraulic structures
—Noncircular conduits
Open drains
—Outlet works
—Pipes
Rectangular conduits
—Roads
Siphons
Streets
Surface drainage

Cumulonimbus clouds 0402
BT —Clouds
RT Cumulus clouds
Cyclones
Hail
Hurricanes
—Meteorology
—Precipitation (atmospheric)
Stratus clouds
Thunderstorms
Weather

Cumulus clouds 0402
UF Clouds (cumulus)
BT —Clouds
RT —Atmosphere
Cirrus clouds
Cloud cover
Cloud physics
Cumulonimbus clouds
—Fog

Cumulus clouds (Con.)
Haze
Smog
Stratus clouds
Weather

Curing 1308
NT Fog-curing
Steam curing
RT Accelerating (chemistry)
Aging (physical)
Autoclaves
Bleeding (concrete)
–Concrete placing
–Concretes
Curing compounds
–Degradation
–Drying
–Hardening
Hydration
Initial set
Preservation
–Processing
Sealing compounds
Set-retarding agents
Setting (materials)
Weathering

Curing compounds 1107 1303.1
RT Accelerating (chemistry)
Aging (physical)
–Concrete placing
–Concretes
–Curing
–Retarding agents
–Sealants
Sealing compounds

Current awareness 0502
RT Abstracts
Dissemination (information)
Information retrieval
Information science
Information systems
Interest profiles
Professional advancement
Selective dissemination
Technical papers

Current density 2003
RT –Electric current
Electrolysis

Current meters 1402
BT –Instrumentation
–Measuring instruments
–Meters
–Velocity meters
RT –Currents (water)
–Discharge (water)
Discharge measurement
Flow measurement
–Gages
–Rates
River currents
Rotating meters
Stream gages
Stream gaging station
Test canals
–Velocity
Velocity distribution
–Water measurement

Currents (electric)
USE Electric current

Currents (river)
USE River currents

Currents (sea)
USE Ocean currents

Currents (water) 0808 2004
UF Water currents
NT Density currents
Eddies
–Ocean currents
Rip currents
Turbidity currents
RT –Aquatic environment
Bed movements
Convection
Current meters
–Diffusion
Drift bottles
Drifting (aquatic)
Estuaries
Flood waves
–Flow
–Groundwater
Hydrologic cycle
Microenvironment
–Movement
Refraction (water waves)
Rheotropism
Ripple marks
–Running waters
Sand bars
Sand spits
Sand waves
Sediment distribution
–Sediment load
Seiches
–Streams
–Tides
–Water circulation
Wave generation
–Waves (water)

Current transformers 0905
BT –Electrical equipment
–Transformers
RT Induced currents
Instrument transformers
Potential transformers
–Power transformers

Curtains 1313.1
NT Grout curtains
RT Buried membranes
Cutoffs
Impervious linings
Underseepage

Curtain walls 1313.1
BT –Walls
RT Cutoffs
Cutoff walls
Dam foundations
–Dams
Seepage control
Underseepage

Curved profiles 1409
BT –Profiles
RT –Envelopes
Geometry
Spheres
Structural shapes

Curve fitting 1201
RT Correlation techniques
–Curves
–Envelopes
Experimental data
–Forecasting
Least squares method
–Regression analysis
Time series analysis

Curves 1201 1409
BT –Geometric shapes
NT Area capacity curves
Compression curves
Draft-storage curves
Drawdown curves
Flow duration curves
Frequency curves
Helixes
Horizontal curves
Mass curves
Proctor curves
Stress-strain curves
RT Characteristics
–Circles (geometry)
Curve fitting
–Envelopes
Gaussian distribution
Geometry
–Gradients
–Highways
Road design
Spirals
Waveforms

Curves (graphic)
USE Graphical analysis

Curves (performance)
USE Performance tests

Cushioning 2011
UF Buffers (dam)
RT Absorbers
Acoustic insulation
–Damping
–Insulation
Lagging
Perlite
Shock waves
Thermal insulation
Vermiculite

Cutback asphalts 1303
BT –Asphalt cement
–Asphalts
–Bitumens
–Bituminous cements
–Bituminous materials
–Cements
RT Bituminous concretes
–Linings
Paving
–Roads
Seal coat
Soil sealants
Soil stabilization

Cuticle 0616
UF Cutin
RT Epidermis
–Plant tissues
Transpiration

Cutin
USE Cuticle

Cutoffs 1313.1
RT Blanket grouting
Buried membranes
Bypasses
Channel improvements
–Curtains
Curtain walls
Cutoff trenches
Cutoff walls
Dam construction
Dam design
Dam foundations
–Dams
–Earth dams
Flood control
–Foundations
Grout curtains
–Grouting
Impervious blankets
Impervious linings
Impervious membranes
Intake transitions
–Leakage
River training
–Seepage
Seepage control
Seepage losses
Sheet piling
Slurries
–Transitions (structures)
Underseepage
–Valves

Cutoff trenches 1313.1
BT –Trenches
RT Cutoffs
Cutoff walls
Dam construction
Dam design
Dam foundations
–Dams
–Earth dams
–Foundations
–Seepage
Seepage control
Underflow
Underseepage

Cutoff walls 1313.1
BT –Walls
RT Curtain walls
Cutoffs
Cutoff trenches
Dam design
Dam foundations
–Dams
–Earth dams
–Foundations
–Seepage
Seepage control
Sheet piling
–Trenches
Underflow
Underseepage

Cuts 1315
RT –Canals
Cut slopes
–Earth handling equipment
Earthmoving
–Earthworks
–Excavation
–Excavators
Gully erosion
Overexcavation
Presplit blasting
Roadbanks
Road construction
Road design
Rock slope stability
–Trenches
Underwater construction

Cut slopes 1315
BT –Slopes
RT Angle of repose
Critical slopes
Cuts
–Excavation
Overexcavation
Roadbanks
Road design
Rock slope stability
Slip-circle method
Slope angles
Slope protection
–Slope stability
Slope stabilization
–Stability analysis
–Trenches

Cutthroat trout 0603.2
UF Salmo clarki
BT –Animals
–Aquatic animals
–Aquatic life
–Cold-water fish
–Fish
–Pan fish
–Salmonids
–Trout
–Wildlife
RT –Freshwater fish
–Marine fish

Cutting 1308
NT Machining
RT Abrasion
Boring
–Drilling
–Finishing
Grinding
Grooves
Gully erosion
Lathes
Peeling
Reamers
Ripping
Saws
Shaping
–Torches

Cutting (torches)
USE Torches

Cutting management 0206
BT –Management
NT Clear-cutting
RT Crop response
–Erosion control
Forage palatability
–Forages
Lawns
Pasture management
–Runoff
–Succession
Transpiration
Vegetation regrowth
Water conservation
Watershed management
–Water yield
–Weed control

Cyanocobalamin
USE Vitamin B

Cyanophyta 0613
UF Algae (blue-green)
Blue-green algae
BT –Algae
–Plants (botany)
RT –Aquatic algae
–Aquatic microorganisms
–Aquatic plants
Soil algae

Cyathura polita
USE Isopods

Cycles 1407
Use of a more specific term is recommended
NT Carbon cycle
Hydrologic cycle
Nitrogen cycle
RT Biorhythms
Convection
Cycling nutrients
Diurnal variations
–Energy budget
Food chains
Food webs
Heat budget
Hydrologic budget
Sequence
–Succession
Trophic level
–Water circulation
–Waves

Cycles (drought)
USE Droughts

Cyclic loads 2011
BT –Loads (forces)
RT Dynamic loads
Fatigue (materials)
Fatigue tests
–Live loads
–Periodic variations
Pulses
Repeated loading
Seismic design
Seismic stability
Seismic tests
Stress waves
Total loads
Transient stress
–Vibration
Vibration tests

Cycling nutrients 0608
BT –Nutrients
RT Balance of nature
–Cycles
–Energy budget
Food chains
Primary productivity
Secondary productivity

Cyclones 0402
(denotes low pressure system of great size and limited violence in middle latitudes. for tropical cyclones, see hurricanes, typhoons, etc.)
UF Low pressure areas
RT Anticyclones
Atmospheric motion
Atmospheric pressure
–Clouds
Cumulonimbus clouds
Gusts
Hurricanes
–Meteorology
–Precipitation (atmospheric)
Tornadoes
Weather
Weather patterns
–Wind (meteorology)
Wind velocity

Cyclopean concrete 1303.1
BT –Concretes
–Construction materials
RT –Aggregates
–Concrete placing
Mass concrete
Stones

Cygnus olor
USE Mute swan

Cylinders 1407
RT Cellular structures
Cylindrical bodies
Cylindrical shells
Drums
–Shell structures
Silos
Standpipes
Storage tanks
–Tanks (containers)

Cylindrical bodies 1409
RT Cylinders
Cylindrical shells
Silos

Cylindrical shells 1313.5
BT –Shell structures
RT –Concrete structures
Concrete tanks
Cylinders
Cylindrical bodies
Silos
–Structural design
Structural shapes
–Tanks (containers)
Thin shell structures

Cynodon dactylon
USE Bermudagrass

Cyprinodon species
USE Killifishes

Cyprinus carpio
USE Carp

Cytological studies 0603
UF Cells (biological)
RT Chromosomes
–Metabolism
Plant morphology
Pollen
–Resistance
Water requirements

D

2,4-D 0606
BT –Chemicals
–Chlorinated hydrocarbon pesticides
–Halogenated pesticides
–Herbicides
–Organic compounds
–Organic pesticides
–Pesticides

Dactylis glomerata
USE Orchardgrass

DAD analysis
USE Depth-area-duration analysis

Dairy industry 0203
BT –Industries
RT –Farms
Milk
Pasture management

Dalapon 0606
BT –Chemicals
–Chlorinated hydrocarbon pesticides
–Halogenated pesticides
–Herbicides
–Organic compounds
–Organic pesticides
–Pesticides

Dallisgrass 0603.1
UF Paspalum dilatatum
BT –Agronomic crops
–Crops
–Field crops
–Forage grasses
–Forages
–Grasses
–Monocots
–Plants (botany)

Damages 1407
NT Flood damage
RT –Accidents
Burning
Burrows
–Corrosion
–Costs
Cracking
–Cracks
–Decomposition
Defects
Deflection
–Deformation
–Degradation
–Degradation (decomposition)
Deterioration
Disintegration
–Durability
–Erosion
–Failure
Forest fires
Fouling
Foundation failure
–Fractures
–Hazards
–Insurance
Liabilities
–Losses
Radiation effects
Radioactivity effects
Repayment
–Rodents
Rupturing
Scaling
Stains
–Storms
–Subsidence
Torts
Weathering
–Wildlife

Dam breaches 1313.1
UF Breaches (dam)
RT Cracking
Dam design
Dam failure
–Dams
Dam stability
Earthquake damage
–Failure (mechanics)
Flood damage
–Floods
Foundation failure
Overtopping
Piping (erosion)
Rupturing

Dam construction 1315
BT –Construction
RT –Concrete construction
–Concrete dams
–Construction control
–Construction methods
–Construction plants
Construction practices
Cutoffs
Cutoff trenches
Dam design
Dam foundations
–Dams
Damsites
Dewatering
Diversion
Diversion structures
Diversion tunnels
Diversion works
–Earth dams
Earthmoving
–Embankments
–Excavation
–Grouting
–Outlet works
Reservoir clearing
Reservoir construction
–Spillways
Thin arch dams

Dam crests 1313.1
RT Camber
Dam design
–Dams
–Earth dams
–Roads
Spillway capacity
Spillway profiles
–Surfacing

Dam design 1313.1
BT –Design
–Structural design
RT Berms
Chimney drains
–Concrete dams
Cutoffs
Cutoff trenches
Cutoff walls
Dam breaches
Dam construction
Dam crests
Dam facings
Dam failure
Dam foundations
–Dams
Damsites
Dam stability
Design flood
–Earth dams
–Embankments
Embankment subsidence
Flood routing
Freeboard
Grid systems
–Grouting
Hydraulic engineering
Hydraulic fill dams
Levees
Masonry dams
–Outlet works
Rockfill dams
Safety factors
Seepage control
Seismic design
Slip-circle method
Soil mechanics
–Spillways
–Stability analysis
Thin arch dams
Underseepage
Uplift pressure
Zoned embankments

Dam facings 1313.1
RT Beaching
Boulders
Cobbles
–Concretes
Dam design
–Dams
–Earth dams
–Erosion control
Fetch
Riprap
–Rocks
Selected materials
Slabs
Slope protection
Soil cement
–Steel plates
Wave action
Wave energy
Wave height

Dam failure 1313.1
UF Rupture (dams)
BT –Failure
RT Blowouts
Burrowing animals
Collapse
–Construction control
Cracking
–Cracks
Dam breaches
Dam design
Dam foundations
–Dams
Dam stability
Deterioration
Disasters
Earthquake damage
–Earthquakes
Embankment subsidence
–Failure (mechanics)
–Floods
Foundation failure
–Maintenance
Overtopping
Piping (erosion)
Rapid drawdown
Rupturing
–Slope stability
Spillway capacity
Uplift pressure

Dam foundations 1313.1 1313.6
BT –Foundations
RT Abutments
–Concrete dams
Curtain walls
Cutoffs
Cutoff trenches
Cutoff walls
Dam construction
Dam design
Dam failure
–Dams
Damsites
Dam stability
–Earth dams
Engineering geology
Foundation failure
Foundation investigations
Grout curtains
–Grouting
River beds

Dam foundations (Con.)
Rock foundations
Seepage control
—Settlement (structural)
Trial-load method
Underseepage
Vertical drains

Damp
USE Moisture

Damping 1407
NT Vibration damping
RT —Abatement
Absorbers
Acoustic insulation
Attenuation
Baffle piers
Baffle plates
Baffles
Cushioning
Deceleration
Dynamic response
Dynamic stability
Earthquake-resistant structures
Energy absorption
Equilibrium
Hysteresis
Inhibition
—Insulation
—Interference
Internal friction
Lagging
—Mechanical properties
Natural frequency
—Reduction
Resonance
Retarding
Seismic design
Seismic stability
Seismic tests
Soil dynamics
—Stability
Stilling wells
Suppression (electrical)

Dampproofing
USE Moistureproofing

Dams 1313.1
BT —Hydraulic structures
—Structures
NT —Arch dams
Buttress dams
Check dams
Cofferdams
—Concrete dams
Diversion dams
Double-curvature arch dams
—Earth dams
Forebay dams
Gravity dams
Hydraulic fill dams
Masonry dams
Mill dams
Movable dams
Multiple arch dams
—Navigation dams
Retention dams
Rockfill dams
Self-spillway dams
Thin arch dams
RT Abutments
Backwater
—Barriers
Bypasses
—Check structures
Chute spillways
Closed conduit spillways
—Concrete structures
—Conduits
Control structures
Curtain walls
Cutoffs
Cutoff trenches
Cutoff walls
Dam breaches
Dam construction
Dam crests
Dam design
Dam facings
Dam failure
Dam foundations
Damsites
Dam stability
—Debris barriers
Design flood
Dikes
Discharge lines
Diversion structures
Diversion tunnels
Diversion works
Equalizing reservoirs
Fish barriers
Fish handling facilities
Fish ladders
Fish passages
Fishways
Flashboards
Flood control
—Flow control
—Foundations
Freeboard
—Gates
Gravel blankets
Hydraulic engineering
Hydraulic fills
Hydroelectric power
Hydroelectric powerplants
—Impoundments
—Intake structures
Intake towers
Large structures
Levees
Locks (waterways)
Low head
Maximum probable flood
Morning glory spillway
Multiple purpose structures
—Outlet works
Overfalls
Overflow
Overtopping
Penstocks
Ponding
Public works
Reservoir construction
Reservoir design
—Reservoirs
Reservoir surveys
Revetments
River closures
—River regulation
Rock blankets
Sediment control
—Seepage
—Settling basins
Shaft spillways
Side channel spillways
Ski-jump spillways
Sluices
Spillway approach
Spillway capacity
Spillway piers
—Spillways
Structural behavior
Tailwater
Underseepage
Uplift pressure
Washouts
Water collection systems
Water control
—Water storage
Water supply systems
Water surface
—Weirs

Damsites 1313.1
BT —Sites
RT Abutments
Dam construction
Dam design
Dam foundations
—Dams
—Earth dams
Engineering geology
Locations
Potential hydropower
Project planning
River beds
Site selection
Terrain
Terrain analysis
Topography

Dam stability 1313.1
BT —Stability
—Structural stability
RT —Construction control
Dam breaches
Dam design
Dam failure
Dam foundations
—Dams
—Earth dams
Earthquake loads
External forces
Safety factors
—Seepage
Shear strength
Sliding resistance
Slip-circle method
Slope angles
—Slope stability
—Stability analysis
Uplift pressure

Daphnia 0603.2
BT —Animals
—Aquatic animals
—Aquatic life
—Crustaceans
—Invertebrates
—Plankton
—Waterfleas
—Zooplankton

Darcys law 2004
RT Capillary conductivity
—Discharge (water)
—Drainage
—Equations
—Flow
—Groundwater
Groundwater flow
Head losses
Hydraulic conductivity
Hydraulic gradient
—Hydraulics
Infiltration rate
Laminar flow
—Losses
Permeability
Permeability coefficients
Permeameters
—Phreatic water
—Porous materials
—Seepage
Soil water movement
Transmissivity
Well spacing

Darcy-Weisbach equation 2004
BT —Equations
RT Chezy equation
—Discharge (water)
Discharge coefficients
Discharge measurement
Head losses
Moody resistance diagrams
—Pipes
Reynolds number
Uniform flow

Darters 0603.2
UF Ammocrypta species
Etheostoma species
Percina species
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Freshwater fish
—Perches
—Wildlife

Data
USE Information

Data acquisition (computer)
USE Data collection systems

Data collections 0502
RT Catalogs
—Census
—Charts
Climatic data
Data collection systems
—Data processing
Data retrieval
Data storage
Data transmission
Design data
—Documentation
Experimental data
Field data
First order surveys
—Gaging stations
Hydrologic data
—Hydrometeorological station
Information retrieval
Information science
—Instrumentation
—Investigations
Libraries
Logs
—Maps
Mathematical tables
—Measurement
Meteorological data
Microfilm
Monitoring
—Networks
Preliminary investigations
—Records
—Reports
Reviews
—Sampling
—Satellites (artificial)
—Stations
Statistics
Steam tables
Surveys (data collection)
Telemetry
Translations
Weather data

Data collection systems 0502
UF Acquisition (data)
Collection (data)
Data acquisition (computer)
RT Aerial photography
Computer applications
Data collections
—Data processing
Data transmission systems
Information systems
—Recording systems
—Satellites (artificial)
Surveys (data collection)
Telemetry systems

Data processing 0902
UF Automatic data processing
Electronic data processing
BT —Processing
NT Data reduction
Data retrieval
Data storage
RT Automation
Batch processing (data)
Calculations
Computation
Computer models
Computer programming
—Computer programs
—Computers
—Computer storage devices
—Computer systems hardware
Computer systems programs
Data collections
Data collection systems
Data transmission
Data transmission systems
Digital computers
Digital recording
—Documentation
—Electronic equipment
Information theory
—Networks
Preparation
Programming languages
Punched tapes
Selective dissemination
Statistics
Symbols
Systems engineering
—Tables (data)

Data reduction 0902
BT —Data processing
—Processing
—Reduction
RT —Analytical techniques
—Charts
Experimental data
Graphical analysis
—Mathematical analysis
—Statistical analysis
—Tables (data)

Data retrieval 0502
BT —Data processing
—Processing
RT Computer applications
Computer programming
—Computer programs
—Computers
Data collections
Data storage
Data transmission
Data transmission systems
—Documentation
Information retrieval
Information systems
Microfilm

Data storage 0502
BT –Data processing
–Processing
–Storage
RT Computer applications
Computer programming
–Computer programs
–Computers
–Computer storage devices
Data collections
Data retrieval
Data transmission
Data transmission systems
Digital recording
–Documentation
Information systems
Magnetic recording
Magnetic tapes
Microfilm
–Microphotography
Punched tapes
–Records
–Tables (data)
–Tapes

Data transmission 0904
RT Automation
Carrier-current
Coding
Computer applications
Data collections
–Data processing
Data retrieval
Data storage
Data transmission systems
Information theory
Monitoring
–Networks
Punched tapes
Selective dissemination
–Tables (data)
Telemetry
Telemetry systems

Data transmission systems 0904
RT –Analog models
–Analogs
Analog to digital converters
–Codes
–Computers
Data collection systems
–Data processing
Data retrieval
Data storage
Data transmission
Digital systems
Digital to analog converters
Telemetry systems

Dates 0204
UF Phoenix dactylifera
BT –Crops
–Fruit crops
–Horticultural crops
–Monocots
–Plants (botany)
RT Orchards
–Trees

Dating 0504
NT Dendrochronology
Radioactive dating
RT Age
–Geologic time
History
Paleontology
–Time
Timing

Day length
USE Photoperiodism

DDT 0606
BT –Chemicals
–Chlorinated hydrocarbon pesticides
–Halogenated pesticides
–Insecticides
–Organic compounds
–Organic pesticides
–Pesticides

Dead loads 2011
UF Static loads
BT –Loads (forces)
RT –Axial loads
–Design
Dynamic loads
–Earth pressure
External forces
Ice loads
–Live loads
Load distribution
–Structural analysis
–Structural design
Structural relaxation
Total loads
Vertical loads

Dead storage 0808 1302 6
BT –Storage
–Water storage
RT Area capacity curves
Pondage
–Reservoirs
Reservoir storage
Reservoir surveys
Underground water storage
–Water levels

Deaeration 0701 1308
BT –Separation
–Water treatment
RT Aeration
–Corrosion control
Water treatment plants

Debris 1107
RT –Alluvial deposits
Alluvium
–Colluvium
Debris avalanches
–Debris barriers
–Geologic deposits
–Industrial wastes
Littoral drift
Littoral materials
Rubble

Debris avalanches 0807
BT –Avalanches
–Earth movements
–Landslides
–Mass wasting
RT Angle of repose
–Colluvium
Critical slopes
Debris
Mudflows
Rain
Rockslides
–Soils
Solifluction

Debris barriers 1313.1
UF Barriers (debris)
BT –Barriers
–Engineering structures
NT Trashracks
RT –Dams
Debris
Entrance channels
Fish screens
–Hydraulic structures
–Intake structures
Intake towers
Intake transitions
Pump intakes
Retention dams
Sand traps
–Screens
–Settling basins
Shaft spillways
Sloping intake structures
Spillway approach
–Spillways

Debt 0503
RT Cost repayment
Credit
Interest (finance)
Investment
Liabilities
Loans

Decay
USE Decomposition

Decaying organic matter
USE Decomposing organic matter

Deceleration 2011
BT –Acceleration (physics)
RT Brakes
–Damping
–Drag
Impact
–Reduction
Retarding

Deciduous forests 0206
BT –Biomes
–Forests
RT –Deciduous trees
Forestry
Gray-brown podzolic soils
Hardwood
Mixed forests
Softwood

Deciduous trees 0603 1
BT –Crops
–Dicots
–Horticultural crops
–Plants (botany)
–Trees
NT Ash trees
Birch trees
Black locust trees
Cottonwoods
Hickory trees
Maple trees
Oak trees
Sycamore trees
Willow trees
RT Deciduous forests
Forestry
Hardwood
Plant groupings
–Plant growth
Softwood

Decision making 0501
RT –Administration
Attitudes
Budgeting
Computer applications
–Cost allocation
Cost sharing
Economic justification
–Economics
Feedback
–Formal logic
Game theory
Information systems
Interest profiles
–Management
Management engineering
–Methodology
Motivation
–Planning
–Policies
Political aspects
Problem solving
–Programs
Psychological aspects
–Psychology
Reasoning
Recommendations
Scheduling
–Social aspects
Social function
Supervision
Systems engineering

Decomposing organic matter 1113
UF Decaying organic matter
BT –Organic matter
NT Humus
RT –Decomposition
Deterioration
Detritus
Humic acids
–Organic wastes
Rots
Water pollution sources

Decomposition 1113
UF Decay
BT –Chemical properties
–Chemical reactions
NT Anaerobic digestion
–Biodegradation
–Chemical degradation
–Degradation (decomposition)
Sludge digestion
Thermal decomposition
RT Chemical stability
–Damages
–Decomposing organic matter
Deterioration
–Digestion
Disintegration
Electrolysis
Fermentation
Half life
Hydrolysis
Oxidation
Radioactive decay
Rots
Slaking
Solubility
–Stability

Decontaminating agents
USE Decontamination

Decontamination 1308
UF Agents (decontaminating)
Decontaminating agents
RT Cleaning
–Contamination
–Disposal
Dust control
Pollution abatement
Purification
–Reduction
–Removal
–Separation

Decontamination (water)
USE Water pollution treatment

Deep beams 1313 5
BT –Beams (structural)
–Structural members
RT Box beams
Composite beams
–Girders

Deep cultivation
USE Deep tillage

Deep percolation 0808 1
RT Chiselling
Demand (irrigation systems)
Groundwater movement
Percolation
Root zone
–Seepage

Deep subsidence 0807
BT –Subsidence
RT –Compaction
–Deformation
Land subsidence
Ponding tests
–Settlement (structural)
Shallow subsidence

Deep tillage 0203
UF Deep cultivation
BT –Cultivation
–Land management
–Soil management
RT Infiltration

Deep water 0808 1
RT Aphotic zone
Bathymetry
–Bodies of water
Depth
Shallow water

Deep-water habitats 0801
BT –Aquatic habitats
–Environments
–Habitats

Deep-well pumping 0808 1 0809
BT –Pumping
RT Deep wells
Developed waters
Mine drainage
–Mine water
Oil wells
–Subsidence
–Water wells

Deep wells 0808 1 0809
BT –Wells
RT Deep-well pumping
Dewatering
Drainage wells
–Drawdown
Oil wells
Recharge wells
–Water wells

Deer 0603 2
BT –Animals
–Big game
–Mammals
–Ruminants
–Wildlife

Defects 1407
RT Blistering
Cavities
–Cracks
–Damages
–Fractures
Holidays (coatings)
Impurities
–Inspection
Porosity
Voids

Deferred benefits 0503
BT –Benefits
RT Deferred costs
Lagged benefits

Deferred costs 1401
BT –Costs
RT Amortization
Construction costs
Deferred benefits
Electric power costs

Deferred grazing
USE Grazing

Deficiencies 1407
RT Errors

Deficient elements 0601
BT –Nutrients
RT Nutrient requirements

Deflection 1407
RT Baffles
Bending
Bending moments
Buckling
Camber
Cracking
–Cracks
–Damages
–Deflectors
–Deformation
–Diffraction
Displacements
Distortion (structural)
Flexibility
Flexural strength
Foundation modulus
–Movement
Reflection
–Refraction
–Routing
Sagging
Scattering
Shelterbelts
–Strain
Strength of materials
–Structural analysis
Structural behavior
–Structural design
–Structural stability
Tiltmeters
Torsion

Deflectors 1407
NT Flow deflectors
RT Attenuators
Baffle piers
Baffle plates
Baffles
Deflection
Diffusers
Electromagnetic wave filters
–Shielding
Shields
–Vanes

Deflocculants 0701
BT –Chemicals
RT Coagulants
–Dispersants
Flocculants

Defoliants 0606
BT –Agricultural chemicals
–Chemicals
RT Chemcontrol
Desiccants
–Herbicides
Translocation

Deformation 1407
BT –Mechanical properties
NT Elastic deformation
Plastic deformation
RT Bending
Buckling
Camber
Collapse
Compressibility
Compressible soils
–Compression
–Consolidation
Creep
–Damages
Deep subsidence
Deflection
Deformation modulus
Distortion (optics)
Distortion (structural)
Elastic theory
Elongation
Embankment subsidence
Extensometers
–Failure
–Failure (mechanics)
Foundation modulus
–Fractures
–Heaving
Land subsidence
Normal strain
Plastic theory
Resilience
Rheology
Rock mechanics
Sagging
–Settlement (structural)
Shallow subsidence
Shear strain
Soil consolidation tests
Stiffness
–Strain
Strain energy
Strength of materials
Stress-strain curves
Structural behavior
–Structural design
–Structural stability
–Subsidence
Tangential strain
–Tension
Torsion
Twisting
Workability
Yield point
Yield strength

Deformation modulus 2012
BT –Mechanical properties
RT Compressibility
–Deformation
Elastic deformation
Inelastic action
Plastic deformation
Stress-strain curves

Deformed bars 1303
BT –Bars
RT Bonding
–Concrete construction
–Concrete piles
Concrete pipes
–Concrete structures
High-bond reinforcing bars
–Reinforced concrete
–Reinforcement
–Reinforcing steels

Deformeter (beggs)
USE Stress analysis

Degradation 1407
NT Anaerobic digestion
–Biodegradation
–Chemical degradation
–Degradation (decomposition)
Degradation (stream)
RT Abrasion resistance
Aggradation
Chemical stability
–Corrosion
–Curing
–Damages
Deterioration
Disintegration
–Durability
–Failure
Fouling
Oxidation
Pitting
Preservation
Radiation effects
Scale (corrosion)
Scour
–Storage
–Tractive forces
Weathering

Degradation (decomposition) 1113
BT –Decomposition
–Degradation
NT Anaerobic digestion
–Biodegradation
–Chemical degradation
Sludge digestion
RT Aging (physical)
Anaerobic processes
Chemical stability
–Corrosion
–Damages
Deterioration
Detritus
–Durability
Humus
Oxidation
Persistence
Radiation effects
Scaling
Sludge disposal
–Stability
Weathering

Degradation (stream) 0808
BT –Degradation
–Erosion
RT Critical tractive force
Deltas
Deposition
Equilibrium
–Floods
Graded
–Running waters
Scour
–Sedimentation
Sediment production
–Streambeds
Stream erosion
–Streams

Degree days 0402
RT Climatic data
–Climatology
–Evapotranspiration
Growing period
Photoperiodism
–Temperature
Transpiration
Water requirements

Dehydration 0701 0704
RT –Chemical reactions
Dehydrators
Desiccants
Dewatering
–Drying
Efflorescence
–Evaporation
Forced drying
Freeze drying
Hydration
–Moisture
Preservation
–Processing
–Removal
Transpiration
Vacuum drying
Water of crystallization
Water of hydration

Dehydrators 1309
BT –Equipment
RT Absorbers
Dehydration
Dryers
–Drying

Deicers 0812
RT Deicing
Frost
–Heating
–Ice
Ice formation
Ice prevention
Melting
Snow removal

Deicing 0812
RT Deicers
–Heating
–Ice
Ice prevention
Melting
Preheating
Refrigerators
–Removal
Snow removal

Delaware 0806
BT –Coastal plains
–Geographical regions
–States (geographical)

Delay (time)
USE Timing circuits

Delay circuits 0901
BT –Circuits
RT Time lag

Delay elements (explosives) 1901
RT –Explosives
Presplit blasting
Smooth wall blasting

Deleterious materials 1107
BT –Materials
RT Alkali aggregate reactions
–Cement-aggregate reaction
Compatibility
–Contamination

Deltas 0806 0810
BT –Land forms
RT Alluvial channels
–Alluvial deposits
Alluvial streams
Alluvium
Bayous
Bed load
Coasts
Degradation (stream)
Deposition
Flood plains
–Fluvial morphology
Geomorphology
–Regions
–Rivers
–Sedimentation
–Sediment deposits
Sedimentology
–Sediments
–Shores
–Soil types
–Swamps
Tidal marshes

Demand 0503
NT Electric power demand
Recreation demand
Water demand
RT Commerce
Cost indexes
–Economics
Elasticity of demand
Land appraisal
Market value
–Population
–Prices
–Supply

Demand (irrigation systems)
0203.1
RT Consumptive use (water)
–Crops
Deep percolation
Effective precipitation
–Irrigation
Irrigation efficiency
–Irrigation practices
Sprinkler irrigation
Subsurface irrigation
–Surface irrigation
Water consumption
–Water loss
–Water management (applied)
Water requirements
–Water utilization

Demand schedule (recreation)
USE Recreation demand

Demineralization 1302.5
UF Conversion (saline water)
Conversion (salt water)
Conversion (sea water)
BT –Separation techniques
–Water treatment
NT –Desalination
Nuclear desalting
RT Anion exchange
Brackish water

Demineralization (Con.)
Cation exchange
Demineralization cells
Desalination processes
Descaling
–Distillation
Evaporation reservoirs
–Feed water
–Flash distillation
Flash evaporators
–Ion exchange
Long-tube vertical distillation
–Membrane processes
Multistage flash distillation
Permselective membranes
Phase studies
Potable water
Purification
Reverse osmosis
Salt removal
Semipermeable membranes
–Separation
–Treatment
Waste heat
Water costs
–Water purification
Water softening
Water sources

Demineralization cells 1302.5
RT Anion exchange
Cation exchange
–Demineralization
–Ion exchange

Demineralizers 1302.5
RT –Water treatment

Demolition 1315
RT –Blasts
–Buildings
Charges (explosives)
–Disturbances
–Explosions
–Explosives
Nitroglycerin
–Safety

Demonstration farms 0204
BT –Farms
RT Agriculture
Agronomy
–Conservation
Crop production
Development farms
Experimental farms
Farm management
Land development
Land settlement
–Research and development
–Resource conservation
Soil conservation

Demonstration watersheds 0808
UF Experimental watersheds
BT –Watersheds (basins)
RT Agricultural watersheds
–Conservation
Drainage basins
Farm management
–Land management
–Research and development
–Resource conservation
–Runoff
Soil conservation

Dendrochronology 0603.1
UF Tree rings
BT –Dating
RT Age
–Climatology
–Ecology
–Forests
Growth rates
Paleoclimatology
–Plant growth
–Quaternary period
–Trees
–Xylem

Dendrocygna bicolor
USE Fulvous tree duck

Denison samplers 1402
BT –Samplers
–Soil samplers
RT Core drilling
Cores
Drive samplers
Piston samplers
–Sampling
Soil investigations
Undisturbed samples

Denitrification 0703
BT –Chemical properties
–Chemical reactions
RT Ammonia
–Nitrates
Nitrites
Nitrogen cycle
Sewage stabilization
Waste stabilization ponds

Densification 1308
RT Compacted soils
–Compaction
–Compression
–Consolidation
Loose soils
Rolled fills
Rolling
Soil compaction
Soil stabilization

Densimeters 1402
UF Density meters
BT –Measuring instruments
–Meters
NT Hydrometers
RT –Density
Field density
Laboratory equipment
Specific gravity

Density 1407
BT –Physical properties
NT Bulk density
Critical density
Dry density
Field density
In place density
Relative density
Rock density
Soil density
RT Air void ratio
Bulk
Bulk modulus
Buoyancy
–Compaction
Compaction tests
Compressibility
Compressible soils
Compression curves
Concrete properties
–Consolidation
–Densimeters
Density currents
–Diffusion
–Flow
Geophysical logging
Hydrometers
Hydrometry
Internal friction
Mass
Nuclear density meters
Opacity
Optimum moisture content
–Population
Pore size
Proctor curves
Reynolds number
Rock properties
Specific gravity
Specific weight
Stokes law
Turbidity
Turbidity currents
Unit weight
–Void ratio
Water flux
Wet weight

Density currents 0808
BT –Currents (water)
RT –Density
Density stratification
Heat flow
Multilevel outlets
Sea water intrusion
Selective level releases
–Slopes
Thermal gradient
Turbidity currents
Underflow

Density-flow 0808
BT –Flow
–Movement
RT –Limnology
–Reservoir operation
Specific weight
–Stratification
Stratified flow
Thermal stratification

Density meters
USE Densimeters

Density probes (soil)
USE Soil density probes

Density stratification 0808
BT –Stratification
RT Density currents
–Lakes
Multilevel outlets
–Physical properties
–Reservoirs
Snowpacks
Water properties

Dentated sills 1313.1
RT Baffles
Chute blocks
Chutes
Control structures
Drops (structures)
–Energy dissipation
Energy dissipators
Jet diffusion
–Outlet works
–Spillways
Stilling basins

Depletion 1407
NT Groundwater depletion
RT –Consumption
Consumptive use (water)
Depreciation
–Discharge (water)
Diversion
–Drawdown
Exploitation
Groundwater mining
Oil wells
Overdraft
Recession curves
–Reduction
–Reservoirs
Reservoir storage
Safe yield
–Subsidence
Water consumption
–Water utilization
–Water wells
Withdrawal

Deposition 1407
RT Aggradation
Alluvial streams
–Beaches
Bottom sediments
Braiding
Coagulation
–Coatings
Degradation (stream)
Deltas
Dune sands
Flood plains
–Geologic deposits
Glaciation
Graded
–Hydrogeology
Incrustation
Jacks (structural shape)
Lacustrine deposits
Metal coatings
Plating
Reservoir silting
Sand bars
Scaling
Sedimentary petrology
–Sedimentation
Sedimentation rates
Sediment concentration
Sedimentology
Sediment production
–Sediment transport
–Separation techniques
–Settling basins
Settling velocity
Shoaling
Stable channels
Stokes law
Streambed profiles
–Subsidence

Deposition (pesticides)
USE Pesticide residues

Deposits (aeolian)
USE Aeolian soils

Deposits (alluvial)
USE Alluvial deposits

Deposits (fluvial)
USE Alluvium

Deposits (glacial)
USE Glacial deposits

Deposits (lacustrine)
USE Lacustrine deposits

Deposits (terrace)
USE Terrace deposits

Depreciation 0503
RT Accounting
Age
Amortization
Appreciation
–Costs
–Depletion
Deterioration
–Durability
Economic life
Engineering economy
Engineering obsolescence
Equipment costs
Finance
Life expectancy
–Obsolescence
Project life
–Reduction
–Regulations
–Return (monetary)
Salvage value
–Shrinkage
Sinking fund
–Value
Value engineering

Depression 1407
RT –Basins
–Economics
Inflation (economic)
–Lakes
Playas
–Ponds
Potholes
–Reduction
–Subsidence

Depression storage 0808
BT –Storage
–Water storage
RT Closed basins
Infiltration
–Precipitation (atmospheric)
–Surfaces
Surface storage
–Water loss

Depth 1407
BT –Dimensions
RT –Aquatic environment
Bathymetry
Bathythermographs
Channel morphology
Contours
Deep water
Depth-area curves
Depth-area-duration analysis
Distance
Elevation
Energy gradient
Fathometers
Height
Hydraulic gradient
Hydraulic jump
Hydraulic radius
–Precipitation gages
Precipitation rate
Pressure head
Shallow water
Sounding
Specific head
Stream gages
Vertical migration
Water equivalent
–Water table
Width

Depth-area curves 0808
UF Area-depth curves
RT Depth
Depth-area-duration analysis
Distribution patterns
–Frequency
Hyetographs
–Rainfall
Rainfall disposition
Rainfall-runoff relationships
Synoptic analysis
Weather patterns

Depth-area-duration analysis 0808
UF DAD analysis
BT –Analytical techniques
RT Depth
Depth-area curves
Distribution patterns
Duration curves
Flood hydrographs
Flow duration
Hydrologic data
Mass curves
–Rainfall
Rainfall disposition
Rainfall intensity
Rainfall-runoff relationships
–Runoff
Runoff forecasting
Synoptic analysis
–Time

Depth finding
USE Sounding

Depth recorders 1403
BT –Detectors
–Recording systems
RT –Gages
–Instrumentation
Liquid level gages
–Measuring instruments
–Meters
–Pressure gages
–Pressure measuring instruments
Sonar
Sounding
–Water levels

Depth sounding
USE Sounding

Deriaz pump turbine 1307.1
BT –Equipment
–Hydraulic machinery
–Hydraulic turbines
–Machines
–Pumps
–Pump turbines
–Reversible turbines
–Turbines
RT Axial flow
Draft tubes
–Flow control
Hydraulic design
Low head
Mixed flow pumps
Pumped storage

Derricks
USE Hoisting machinery

Desalination 1302.5
UF Saline water conversion
Salt extraction
Sea water conversion
Water desalting
BT –Demineralization
–Separation techniques
–Water treatment
NT Nuclear desalting
RT Aqueous solutions
Boule flotation
Byproducts
Chelation
Desalination apparatus
Desalination plants
Desalination processes
Descaling
Dual-purpose nuclear plants
Electrochemistry
Electrodialysis
–Evaporation
Evaporation reservoirs
–Feed water
–Flash distillation
Flash evaporators
Impaired water quality
Liquid wastes
Long-tube vertical distillation
Multistage flash distillation
–Nuclear powerplants
Permselective membranes
Potable water
Purification
Reverse osmosis
–Saline water
Saline water systems
Salinity
Salt removal
Scaling
Sea water
Semipermeable membranes
–Separation
Solvation
–Treatment
–Vaporization
–Waste disposal
Waste heat
–Water chemistry
Water costs
–Water purification
–Water quality
Water softening
Water sources
Water treatment plants
–Water yield

Desalination apparatus 1302.5
RT Condensers (liquefiers)
–Desalination
–Electrodes
Evaporation reservoirs
–Evaporators
Heat exchangers
Permselective membranes
Semipermeable membranes
Solar stills
Thin films

Desalination plants 1302.5
RT –Buildings
–Desalination
Dual-purpose nuclear plants
Evaporation reservoirs
–Facilities
–Industrial plants
–Nuclear powerplants
Nuclear reactors
Pilot plants
Treatment facilities
Water supply
Water supply systems

Desalination processes 1302.5
RT –Demineralization
–Desalination
–Dialysis
–Distillation
Dropwise condensation
Electrodialysis
Evaporation reservoirs
–Flash distillation
Flash freezing
–Freezing
Hydrate processes
–Ion exchange
–Ion transport
Long-tube vertical distillation
–Membrane processes
Reverse osmosis
–Separation techniques
Solvent extractions
Transport depletion
Vapor compression distillation

Descaling 1308
RT Abrasive blasting
–Demineralization
–Desalination
–Removal
–Saline water
Salt removal
Scale (corrosion)
Scale prevention
Scaling

Descriptors 0502
RT Abstracts
Acronyms
–Documentation
Indexes (documentation)
–Indexing
Information retrieval
Information science
Keywords
Thesaurus

Desert animals
USE Xerophilic animals

Desert plants 0603.1
BT –Plants (botany)
NT Cacti
Seepwillow
RT Chaparral
Deserts
Halophytes
Mesquite
–Phreatophytes
Plant groupings
Rabbitbush
Range management
Sagebrush
Tamarisk
–Xerophytes

Deserts 0806
BT –Biomes
–Geography
–Land
RT Arid climates
Arid lands
–Desert plants
Dunes
Dune sands
–Environments
Playas
–Regions
Semiarid climates
Terrain
Terrestrial habitats

Desert soils
USE Sierozems

Desiccants 1107
RT Absorbers
–Absorption
Adsorbents
–Agricultural chemicals
Calcium chloride
Chemcontrol
–Chemicals
Chemical warfare
Defoliants
Dehydration
Dryers
–Drying
–Evaporators
–Moisture content
–Pest control
–Pesticides
Translocation

Design 1407
Use of a more specific term is recommended
NT Bridge design
Building design
Canal design
Channel design
Dam design
Electrical design
Foreign design practices
Hydraulic design
Irrigation design
Limit design
Minimum weight design
Network design
Optimum design
Pipe design
Reservoir design
Road design
Seismic design
–Structural design
Tunnel design
RT Architecture
Creativity
Dead loads
Design assumptions
Design criteria
Design data
Design earthquake
Designers
Design flood
Design flow
Design improvements
Design modifications
Design practices
Design standards
Design storm
Design strength
Design tools
–Engineering
Engineering services
–Engineering structures
–Evaluation
Foreign activities
–Model studies
–Networks
Progress reports
Public works
Reliability
–Research and development
Safety factors
Specifications
–Structural analysis
Structural engineering
Technology
Trigonometry
Work

Design assumptions 1407
RT Building codes
Building design
–Design
Design criteria
Design data
Design earthquake
Designers
Design practices
Design standards
Design tools
Optimum design
Safety factors
–Structural design

Design criteria 1407
UF Criteria (design)
BT –Criteria
RT Allowable stress
Building codes
Building design
–Codes
–Design
Design assumptions
Design data
Design earthquake
Design flow
Design practices
Design standards
Design strength
Design tools
Operating criteria
Optimum design
Safety factors
–Structural design
Tunnel design
Wind tunnels

Design data 1407
RT Allowable stress
Building codes
Data collections
–Design
Design assumptions
Design criteria
Design earthquake
Design flood
Design flow
Design practices
Design standards
Design strength
Design tools
–Dimensions
Field data
–Field investigations
–Field tests
First order surveys
–Investigations
–Maps
Strength of materials
–Structural design
–Surveys

Design earthquake 0811
BT –Earthquakes
RT –Design
Design assumptions
Design criteria
Design data
Earthquake engineering
Earthquake loads
Earthquake-resistant structures
Earthquake theory
–Intensity
Safety factors
Seismic design
Seismic stability
Seismology
Soil dynamics

Designers 0509
BT –Personnel
–Professional personnel
RT Architects
–Design
Design assumptions
Design practices
–Engineering personnel

Design flood 0808
UF Standard project flood
BT –Floods
RT Dam design
–Dams
–Design
Design data
Design storm
Flood control
Flood damage
Flood hydrographs
Flood peaks
Flood waves
–Hydrographs
–Hydrologic aspects
Maximum probable flood
Peak discharge
Peak floods
Probable maximum precipitation
Project planning
Regional flood

Design flood (spillway)
USE Spillway design flood

Design flow 0808
BT –Flow
–Movement
RT –Abatement
Backwater profiles
–Canals
–Design
Design criteria
Design data
Design storm
Flood peaks
–Floods
High velocity
Hydraulic design
–Hydrographs
Low-flow augmentation
Spillway crests
Spillway design flood
–Spillways
Streamflow regulation
–Streams
–Water surface profiles
Water tunnels (testing)

Design improvements 1407
RT Change orders
–Conversion
Correction
–Design
Design modifications
Design practices
Design standards
–Economies
Innovation

Design modifications 1407
RT Change orders
–Conversion
Correction
–Design
Design improvements
Design standards

Design practices 1407
RT Building codes
Building design
–Design
Design assumptions
Design criteria
Design data
Designers
Design improvements
Design standards
Design strength
Design tools
–Methodology
Minimum weight design
Optimum design
Slope deflection method
–Structural design

Design practices (foreign)
USE Foreign design practices

Design standards 1407
BT –Standards
RT Allowable stress
Building codes
–Codes
–Design
Design assumptions
Design criteria
Design data
Design improvements
Design modifications
Design practices
Design strength
Design tools
Safety factors
Specifications
–Structural design

Design storm 0808
BT –Storms
RT –Design
Design flood
Design flow
Distribution patterns
Flood hydrographs
Flood peaks
Flood waves
–Hydrographs
–Intensity
–Rainfall
–Runoff
Snowmelt
Synthetic hydrology

Design strength 1407
BT –Physical properties
–Strength
RT –Bearing capacity
Bearing strength
–Design
Design criteria
Design data
Design practices
Design standards
Load factors
–Mechanical properties
Optimum design
Safety factors
Strength of materials

Design tools 1407
RT –Computers
–Design
Design assumptions
Design criteria
Design data
Design practices
Design standards
Influence charts
–Models
–Structural design

Desilting 0808
BT –Separation techniques
RT Channel improvements
Desilting method
Desilting works
Dredging
Flocculation
Reservoir silting
–Sedimentation
Sedimentation tanks
Sediment control
–Separation
–Settling basins
–Silting
Suspension

Desilting method 1302
RT Channel improvements
Desilting
Desilting works
Dredging
Sediment control
–Separation

Desilting works 1302
RT Desilting
Desilting method
–Settling basins

Desmersal fishes 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Benthic fauna
–Benthos
–Fish
–Marine animals
–Marine fish
–Saline water fish
–Wildlife
RT Animal groupings
Fish types

Desorption 0701 0704
BT –Separation
RT –Absorption
–Adsorption
Sorption

Destructive tests 1402
BT –Tests
RT Corrosion tests
Laboratory tests
–Nondestructive tests
–Test equipment
Test machines
Test procedures
Ultimate tensile strength

Detection 1711
NT Sounding
RT –Detectors
Direction finding
–Exploration
–Inspection
Metal detectors
–Metering
–Nondestructive tests
–Probes (instruments)
Remote sensing
–Sensors
–Warning systems

Detectors 1711
NT Depth recorders
Geiger counters
Hydrophones
Infrared detectors
Metal detectors
Moisture sensors
Photometers
Pressure sensors
–Radiation detectors
Scintillation counters
–Sensors
–Temperature sensors
Thermocouples
RT –Acoustic equipment
Control systems
–Counters
–Detection
–Detectors
Direction finding
–Gages
Geophones
–Indicators
–Instrumentation
Liquid level gages
–Meters
Piezoelectric transducers
Pitot spheres
–Pitot tubes
–Probes (instruments)
–Radar
–Radiation measurement
–Radiation measuring equipment
–Receivers
–Recording systems
–Safety
Seismographs
–Semiconductors
Sonar
–Tracers
Tracking techniques
–Transducers
–Warning systems

Detention
USE Storage

Detention reservoirs 1302.6
BT –Bodies of water
–Impoundments
–Lakes
–Reservoirs
–Standing waters
–Surface waters
RT Check dams
Flood control
Forebays
Multiple purpose reservoirs
Pondage
Reservoir capacity
–Reservoir operation
Reservoir storage

Detergents 1111
UF Synthetic detergents
BT –Chemicals
RT Alkylbenzene sulfonates
Chemical wastes
Cleaning
Domestic wastes
Foam fractionation
Foaming
Foam separation
Hardness (water)
Linear alkylate sulfonates
Soaps
Soil contamination
–Sulfonates
–Surfactants
Water pollution sources
Water softening
Wetting agents

Deterioration 1407
RT Abrasion
Aging (physical)
Alkali aggregate reactions
Bridge failure
–Cement-aggregate reaction
Chalking
Chemical stability
–Corrosion
–Damages
Dam failure
–Decomposing organic matter
–Decomposition
–Degradation
–Degradation (decomposition)
Depreciation
Disintegration
–Durability
Engineering obsolescence
–Erosion
–Failure
–Failure (mechanics)
Freeze-thaw durability
Life expectancy
Spalling
Weathering
Weight loss
Wood preservatives (pesticides)

Detonation 1904
RT –Blasting
–Blasts
Charges (explosives)
Combustion
–Excavation
–Explosions
–Explosive excavation
–Explosives
Fuses (explosions)
Nitroglycerin
Nuclear excavation
Presplit blasting
Rock excavation
–Safety
Underwater explosions

Detrital soils 0807
BT –Earth materials
–Materials
–Soils
RT Alluvium
–Colluvium
Detritus
Disintegration
–Erosion
Fragmented materials
–Rocks
Rubble
Sedimentary tuff
–Sediments
Soil formation
Talus
Weathering

Detritus 0807
BT –Geologic deposits
RT –Colluvium
–Decomposing organic matter
–Degradation (decomposition)
Detrital soils
Disintegration
–Erosion
Residual soils
Rubble
Scour
–Sediments
Weathering

Deuterium 1802
UF Hydrogen isotopes
BT –Isotopes
RT Heavy water
Hydrogen
Tritium

Developed waters 0808
UF Artificial flow
BT –Watercourses (legal)
–Water types
RT Deep-well pumping
Water control
–Water law
–Wells

Developing countries 0504
UF Underdeveloped countries
RT Foreign activities
Foreign construction
Foreign policies
Foreign projects
International compacts

Development farms 0202
UF Farms (development)
BT –Farms
RT Agricultural engineering
Agriculture
–Conservation
–Crops
Demonstration farms
Experimental farms
Farm management
–Irrigation
Land development
–Land management
Land settlement

Dew 0402
BT –Condensation
RT Dew point
Frost
Microenvironment
Rime

Dewatering 1308 1315
UF Unwatering
RT Centrifugation
–Condensation
Dam construction
Deep wells
Dehydration
–Drainage
Drainage engineering
Drainage practices
Drainage systems
–Drains
Drain tiles
–Drawdown
–Drying
Electroosmosis
–Evaporation
–Excavation
–Extraction
Filtration
–Groundwater
Groundwater depletion
Groundwater flow
–Mine water
–Processing
–Pumping
Sand drains
Sand filters
–Subsurface drains
Sumps
Surface drainage
Tile drains
Underdrains
Wellpoints
–Wells

Dew point 0402
RT Air temperature
–Climatology
Dew
–Hot winds
Humidity

Diabase 0807
UF Dolerite
BT –Basic rocks
–Igneous rocks
–Rocks
–Volcanic rocks
RT Basalt

Diagenesis 0807
BT –Sedimentation
–Separation techniques
RT Sedimentology

Diagrams 0502
NT Arrow diagrams
Phase diagrams
RT –Charts
Drawings
Geometry
Graphical analysis
Nomographs
Plans
Visual aids

Dial gages 1402
BT –Gages
–Instrumentation
–Measuring instruments
–Test equipment
RT Extensometers
–Strain gages
Thickness
–Transducers

Dialysis 0701 0704
BT –Membrane processes
–Separation techniques
NT Electrodialysis
RT Desalination processes
Diaphragms (mechanics)
–Diffusion
–Extraction
–Membranes
–Osmosis
–Separation
–Water purification
–Water treatment
Water treatment plants

Diamond bits
USE Core drilling

Diamonds 0807
BT –Minerals
RT Abrasives
Carbon

Diapause 0616
BT –Growth stages
–Life cycles
RT –Animal physiology
–Insects

Diaphragms (mechanics) 1402
RT –Dialysis
Electrolytic cells
–Membranes
–Osmosis
Pressure cells

Diatomaceous earth 0807
UF Earth (diatomaceous)
BT –Earth materials
–Materials
–Soils
RT –Algae
Diatomite
Diatoms
–Filters
–Fluid filters
Silica
–Water purification

Diatomite 0807
BT –Rocks
–Sedimentary rocks
RT Diatomaceous earth
Diatoms

Diatoms 0603.1
BT –Algae
–Aquatic algae
–Aquatic microorganisms
–Plants (botany)
RT –Chrysophyta
Diatomaceous earth
Diatomite
–Fluid filters

Diazinon 0606
BT –Chemical compounds
–Chemicals
–Insecticides
–Organic pesticides
–Organophosphorus compounds
–Organophosphorus pesticides
–Pesticides
–Phosphorus compounds
–Phosphothioate pesticides
–Sulfur compounds

2,6-Dichlobenil 0606
BT –Chemicals
–Chlorinated hydrocarbon pesticides
–Halogenated pesticides
–Herbicides
–Organic compounds
–Organic pesticides
–Pesticides

Dicots 0603.1
BT –Plants (botany)
NT Alfalfa
Alligatorweed
Alsike clover
Apples
Ash trees
Beans
Birch trees
Black locust trees
Blueberries
–Brush
Cacti
Carrots
Chaparral
–Citrus fruits
–Clovers
Cotton
Cottonwoods
Cranberries
Crimson clover
–Deciduous trees
–Fiber crops
–Forage legumes
Grapefruit
Halogeton
Hickory trees
Ladino clover
–Legumes
Lemons
Lespedeza
Lettuce
Lilac
Limes
Macadamia
Maple trees
Melons
Mesquite
Oak trees
–Oilseed crops
Oranges
Peaches
Peanuts
Pecans
–Pome fruits
Potatoes
Rabbitbush
Red clover
Sagebrush
Sago pondweed
Seepwillow
–Shrubs
Snapdragons
Soybeans
Stinging nettles
Strawberries
Sugar beets
Sweet potatoes
Sycamore trees
Tamarisk
Tobacco
Tomatoes
Vetch
–Vine crops
Water hyacinth
White clover
Willow trees
RT Forage mixtures
–Fruit crops
Orchards
–Sugar crops
Tropical fruits

Dictionaries 0502
BT –Documentation
RT Information retrieval
–Languages
Libraries
Machine translating
Nomenclatures
Semantics
Thesaurus
–Translating
Vocabularies

Dieldrin 0606
BT –Chemicals
–Chlorinated hydrocarbon pesticides
–Halogenated pesticides
–Insecticides
–Organic compounds
–Organic pesticides
–Pesticides

Dielectric properties 2003
BT –Electrical properties
–Properties
RT Capacitance
Polarization

Dielectrics 2003
RT Buried cables
Capacitors
–Electrical properties
–Electric conductors
Electrochemistry
Electrodialysis
Electrokinetics
Electrostatics
Underground cables
Underground transmission lines

Diel migration 0606
BT –Migration
RT Biorhythms
Diurnal
Diurnal distribution
Migration patterns
Temporal distribution

Dies 1309
RT –Castings
Extrusions
Hand tools

Diesel engines 2107
UF Engines (diesel)
BT –Internal combustion engines
RT –Construction equipment
–Electric power
Fuels
Injectors

Diesel fuel
USE Fuel oil

Diets 0616
NT Fish diets
RT –Digestion
Foods
–Metabolism
Nutrient requirements
–Nutrients

Differences (finite)
USE Finite differences

Differential displacements 0811 1313
RT Differential settlement
Displacements
–Earth movements
–Earthquakes
–Foundations
–Landslides
–Settlement (structural)
Structural behavior

Differential equations 1201
BT –Analysis
–Mathematical analysis
–Mathematical studies
–Mathematics
NT Laplace equation
RT Boundary values
–Calculus
Discontinuities
Discontinuities
Finite difference method
Finite differences
Finite element method
Fourier analysis
Integrals
Integration (mathematics)
–Numerical analysis
–Transformations
Vector analysis

Differential settlement 1313.6
BT –Settlement (structural)
RT –Consolidation
Differential displacements
Displacements
Flexible foundations
–Footings

Differential settlement (Con.)
Foundation bearing tests
Foundation failure
–Foundations
–Rigid foundations
Shallow subsidence
Soil mechanics
–Structural design
–Subsidence

Differential thermal analysis 0704
UF D.T.A.
BT –Analysis
–Analytical techniques
–Chemical analysis
–Thermal analysis
RT Mineral analysis
Qualitative analysis
–Quantitative analysis

Diffraction 2006
NT X-ray diffraction
RT Attenuation
Deflection
–Optical properties
–Propagation
–Refraction

Diffused surface water
USE Surface runoff

Diffusers 1309
RT Air circulation
Baffle piers
Baffle plates
Baffles
–Deflectors
–Diffusion
Flow deflectors
Jet diffusion
Lighting equipment
Louvers
–Mixers
Nozzles
Vents

Diffusion 1407
UF Molecular diffusion
BT –Chemical properties
–Transport phenomena
NT Electroosmosis
Ion diffusion
Jet diffusion
–Osmosis
Reverse osmosis
Thermal diffusion
RT Adoption of practices
Baffles
–Circulation
–Currents (water)
–Density
–Dialysis
Diffusers
Diffusivity
–Dilution
Dispersion
Dissipation
Electrolytes
–Energy dissipation
–Energy transfer
Equilibrium
–Evaporation
–Extraction
–Flow
Groundwater movement
–Hydraulics
–Ion exchange
–Ion transport
Jets
Mass transfer
Mixing
Mixing length
–Penetration
Percolation
Permeability
–Propagation
Reflection
Salt velocity method
Scattering
–Separation
–Separation techniques
–Soil moisture
–Soil water
Soil water movement
Spraying
–Surface properties

Diffusivity 1407
BT –Hydrologic properties
–Physical properties
RT –Aquifers
Capillary action
–Diffusion
Permeability
Porous media
Specific yield
Storage coefficient
Transmissivity

Digestion 0616 0701
UF Ingestion (biological)
NT Anaerobic digestion
Sludge digestion
RT Anaerobic processes
Animal metabolism
–Animal physiology
Autoclaves
–Biodegradation
–Biology
–Conversion
–Decomposition
–Diets
Digestion tanks
Food habits
Hydrolysis
–Metabolism
–Nutrients
Water requirements

Digestion (sludge)
USE Sludge digestion

Digestion tanks 1302.1
BT –Containers
–Tanks (containers)
RT Autoclaves
–Digestion

Digital computers 0902
BT –Computers
–Electronic equipment
RT Analog computers
Analog to digital converters
Computation
Computer programming
–Data processing
Digital recording
Digital systems
Digital to analog converters
Hybrid computers
Programming languages

Digital recording 1403
RT Analog to digital converters
Coding
–Data processing
Data storage
Digital computers
Digital systems
Magnetic recording
–Recording systems

Digital systems 0902
UF Binary systems (digital)
RT –Analog models
Analog to digital converters
–Analytical techniques
–Counters
Data transmission systems
Digital computers
Digital recording
Digital to analog converters
Electric analogs
Hybrid computers

Digital to analog converters 0902
UF Converters (digital-to-analog)
RT Analog computers
–Analog models
Analog to digital converters
Data transmission systems
Digital computers
Digital systems
Hybrid computers

Digitizers
USE Analog to digital converters

Dikes 1313.1
BT –Embankments
RT –Barriers
Borrow pits
Check dams
–Check structures
Cofferdams
Compacted soils
–Dams
Diversion dams
Diversion structures
–Earth dams
–Earthfill
–Earth handling equipment
Earthmoving
–Earthworks
–Fills
Flood control
Flood protection
Groins (structures)
–Igneous rocks
–Irrigation systems
Jetties
Levees
–Retaining walls
Revetments
River training
Rolled fills
Shore protection
Underseepage
Zoned embankments

Dilatation 1407
BT –Expansion
–Volume change
RT Confining pressure
Dilation
–Liquefaction
–Mechanical properties
Volume

Dilation 1407
BT –Expansion
–Volume change
RT Dilatation
–Mechanical properties
Swelling

Dilution 0704
NT Waste dilution
RT Concentration
–Diffusion
Dispersion
–Disposal
Dissipation
Mixing
–Reduction
Sewage treatment plants
–Solutions
Stream pollution
–Treatment
–Water pollution

Dilution (wastes)
USE Waste dilution

Dimensional analysis 1201
BT –Analysis
–Analytical techniques
RT –Dimensions
Froude number
–Mathematical analysis
–Models
Reynolds number
Weber number

Dimensions 1407
BT –Physical properties
NT Altitude
Depth
Dry weight
Height
Length
Thickness
Thinness
–Time
–Weight
Width
RT Acreage
Amplitude
Areal
Design data
Dimensional analysis
Distance
Drainage density
Geometry
Gradation
–Gradation analysis
Graded
Grain sizes
Lake morphometry
Magnitude
Mass
Mean diameter
–Measurement
Median diameter
–Physics
–Shape
–Size
Spacing
Spans
Volume

Dinoflagellates 0613
BT –Algae
–Aquatic algae
–Aquatic life
–Aquatic microorganisms
–Aquatic plants
–Microorganisms
–Plants (botany)
–Pyrrophyta
–Seston
RT Red tide

Diodes 0901
RT Electron tubes
Rectifiers
–Semiconductors
Solid state physics

Diorite 0807
BT –Igneous rocks
–Intermediate rocks
–Plutonic rocks
–Rocks
RT Andesite

Dipoles 2003
RT Polarity
Polarization

Dipping 1308
(excludes slope and inclination)
UF Dips
BT –Application methods
RT –Coatings
Galvanizing
Liquids
–Paints
–Protective coatings
Quenching
Wetting

Dips
USE Dipping

Diptera 0603.2
UF Chaoborus
Chironomids
BT –Animals
–Insects
–Invertebrates
NT Midges
Mosquitoes
RT –Aquatic insects
–Benthic fauna
Bloodworms

Diquat 0606
BT –Chemicals
–Halogenated pesticides
–Herbicides
–Organic pesticides
–Pesticides

Direct benefits 0501 0503
UF Primary benefits
BT –Benefits
RT Direct costs
–Economics
Indirect benefits
Project benefits

Direct costs 1401
UF Primary costs
BT –Costs
RT Construction costs
Direct benefits
–Economics
Electric power costs
Engineering costs
Equipment costs
Indirect costs
Labor costs
Operating costs
Overhead costs

Direct current 2003
BT –Electric current
RT Alternating current
–Converters (electrical)
–Electrical properties
Electric batteries
–Electric power
Exciters
Extra high voltage
Ground return
Impulse tests (electrical)

Direct current (Con.)
Phase control
Protective relaying
Rectifiers
Terminal facilities (electrical)
Ultra high voltage

Direction finding 1703
RT Alinement
Antennas
Astronomy
–Detection
–Detectors
Locating
–Mapping
–Measuring instruments
Navigation
Orientation
–Plane surveying
Position finding
–Radar
–Radio signals
–Radio waves
–Surveying

Directories 0502
BT –Documentation
RT Catalogs
–Classifications
Indexes (documentation)
–Indexing

Direct runoff
USE Storm runoff

Direct shear 2012
BT –Shear
RT Drained shear tests
Friction tests
Shear forces
Shear strain
Shear strength
Shear stress
–Shear tests
Strength of materials
Vane shear tests

Disasters 1312
RT –Accidents
–Avalanches
Bridge failure
Civil defense
Dam failure
Earthquake damage
–Earthquakes
Extratropical cyclones
–Failure
–Floods
Forest fires
Foundation failure
Hurricanes
–Landslides
Materials failure
–Safety
–Storms
Tornadoes
–Tropical cyclones
Tunnel failure

Discharge (electric)
USE Electric discharges

Discharge (sediment)
USE Sediment discharge

Discharge (water) 2004
UF Release
Water release
NT Peak discharge
RT Air demand
–Channel flow
Channel morphology
Current meters
Darcys law
Darcy-weisbach equation
–Depletion
Discharge coefficients
Discharge lines
Discharge measurement
–Drainage
Effervescence
–Effluents
Float wells
Flood routing
–Floods
–Flow
–Flow augmentation
–Flow control
Flow duration
Flow duration curves
Flow measurement
–Flowmeters
Flow rates
–Fluid flow
–Gates
–Groundwater
Groundwater movement
Hydrants
–Hydraulics
Hydroelectric powerplants
–Hydrographs
Hydrologic budget
Hydrologic equation
Hydrophase diagrams
Inflow
Kutter formula
Low flow
Mannings equation
Meanders
–Outlets
Overland flow
Rainfall-runoff relationships
Reservoir yield
Reynolds number
–Routing
–Runoff
Specific capacity
Spillway crests
Spillway design flood
Spillway gates
–Spillways
–Springs (water)
Stage-discharge relations
–Streamflow
Streamflow depletion
Stream gages
Test canals
Time series analysis
–Venturi flumes
Venturi meters
Waste dilution
Water balance
–Water yield
–Weirs
Withdrawal

Discharge coefficients 2004
BT –Coefficients
RT Bellmouths
Darcy-Weisbach equation
–Discharge (water)
Flow duration curves
–Hydraulics
Kutter formula
Mannings equation
Reynolds number
Stage-discharge relations

Discharge lines 1313.1
RT –Dams
–Discharge (water)
Manifolds
–Outlet works
Penstocks
–Pipelines
–Pipes
Ring stiffeners
Trifurcations
–Tunnels
–Water tunnels (conveyance)

Discharge measurement 0808 2004
BT –Measurement
RT Broad-crested weirs
California pipe method
Chezy equation
Cipolletti weirs
Current meters
Darcy-Weisbach equation
–Discharge (water)
–Flowmeters
Hazen-Williams equation
–Hydraulics
Kutter formula
Mannings equation
–Metering
Miners inch
Mixing length
–Orifices
–Pitot tubes
Rectangular weirs
Salt velocity method
Sharp crested weirs
Stilling wells
Stream gages
Stream gaging station
Submerged weirs
Vee-notched weirs
–Venturi flumes
Venturi meters
–Water surface profiles
Well yield

Disclimax 0606
BT –Climax
–Ecosystems
–Succession

Disconnecting switches 0901
BT –Control equipment
–Electrical equipment
–Electric switches
RT Interrupters
Interrupter switches
Substations (electrical)
Switchgear
Switchyards (electrical)

Discontinuities 1407
RT Boundary conditions
–Calculus
–Differential equations
Faults (geology)
–Geologic investigations
Integrals
Integration (mathematics)
Joints (geology)
–Mathematical analysis

Discount rate 0503
RT –Costs
Credit
Interest rate
–Prices
–Rates

Discriminatory pricing 0503
BT –Pricing

Disease resistance 0616
BT –Resistance
RT Crop response
–Environmental effects
Nutrient requirements
Physiological ecology

Diseases 0605
NT –Animal diseases
Blights
Blotches
Botulism
Fish diseases
–Human diseases
Non-parasitic diseases (plant)
–Plant diseases
Rots
Rusts (fungi)
Scabs
Smuts
Soil-borne diseases
Spots
Wilts
Zoonoses
RT Air pollution effects
Animal pathology
Biological warfare
–Biology
Carriers
–Contamination
–Environmental effects
Environmental sanitation
Epidemiology
Epiphytology
Epizootiology
–Hosts
Human pathology
Incubation
Infection
Intermediate hosts
–Microbiology
Mildews
Morbidity
Parasitism
–Plant pathology
Public health
Soil contamination effects
Soil microbiology
Stream pollution
Vectors (biology)
–Viruses
–Water pollution
Water pollution effects

Diseconomies of scale 0503
RT –Benefits
Cost comparisons
–Costs
–Economics
–Income
Return to scale
Scale effect

Disinfection 0609
RT Chlorination
Environmental sanitation
–Treatment
–Water purification

Disintegration 1113
RT Chalking
–Damages
–Decomposition
–Degradation
Deterioration
Detrital soils
Detritus
Grinding
Slaking
Spalling

Disks (shapes) 1409
(excludes agricultural disks)
BT –Geometric shapes
RT –Shape

Dismantling 1303
RT –Extraction
–Salvage

Dispensers 1309
RT Ejectors
Feeders
–Materials handling equipment

Dispersants 1111
UF Agents (dispersing)
BT –Chemicals
NT Soil dispersants
RT –Admixtures
Coagulants
Deflocculants
Dispersion
Emulsifiers
Emulsifying agents
Flocculants
–Surfactants
Water-reducing agents

Dispersion 0704
RT Aggradation
–Application methods
–Circulation
Coagulants
–Colloids
Convection
–Diffusion
–Dilution
–Dispersants
Dissipation
Dusting
–Emulsions
–Energy dissipation
–Energy transfer
–Entrainment
Flocculation
–Flow
Groundwater movement
Mass transfer
–Migration
Mixing
Mixing length
–Penetration
Scattering
Seeds
–Separation
Smoke
Soil dispersants
Solubility
Spores
Spraying
Suspended sediments
Suspension
–Water pollution

Displacements 1407
RT Amplitude
Deflection
Differential displacements
Differential settlement
Distortion (structural)
Faults (geology)
Flexible foundations
Foundation failure
–Heaving
Influence charts
Magnitude

Displacements (Con.)
Motion
—Movement
—Removal
—Rigid foundations
—Strain
—Vibration

Disposal 1407
NT Brine disposal
Radioactive waste disposal
Refuse disposal
Sewage disposal
Sludge disposal
Toxic waste disposal
Ultimate disposal
—Waste disposal
—Waste water disposal
RT —Biodegradation
Cesspools
—Containers
—Contamination
Conveyances
Decontamination
—Dilution
Dissipation
—Distribution
—Earthfill
Ejection
Environmental sanitation
Farm lagoons
Farm wastes
Incineration
Landfills
Municipal wastes
Plumbing
Recreation wastes
—Removal
Sanitary engineering
Septic tanks
—Settling basins
Sewage lagoons
Sewers
—Storage
Stream pollution
Tile drains
—Treatment
Underdrains
—Vessels
Waste dilution
—Water pollution

Disposal fields
USE Soil disposal fields

Disposal wells 0808.1
BT —Wells
RT —Industrial wastes
Injection wells
Mine acids
Mine drainage
Municipal wastes
Radioactive waste disposal
—Waste disposal
—Waste water disposal

Dissemination (information) 0502
RT Current awareness
—Distribution
—Documentation
Information retrieval
Information systems

Dissipation 1407
RT Attenuation
—Conservation
—Diffusion
—Dilution
Dispersion
—Disposal
Purification
—Reduction
Scattering

Dissipation (energy)
USE Energy dissipation

Dissipators (energy)
USE Energy dissipators

Dissolved gases 0704
BT —Gases
—Solutes
NT Dissolved oxygen
RT Air entrainment
Dissolved solids
Solubility
—Solutions
Water analysis

Dissolved oxygen 0704
UF D.O.
BT —Dissolved gases
—Gases
—Solutes
RT Aeration
Biochemical oxygen demand
Chemical oxygen demand
Dissolved oxygen analyzers
Oligotrophy
—Oxygen
Oxygenation
Oxygen content
Oxygen sag
Photosynthetic oxygen
Reaeration
Solubility
—Stratification
Waste stabilization ponds
Water analysis

Dissolved oxygen analyzers 1402
BT —Instrumentation
RT Dissolved oxygen
—Oxygen

Dissolved solids 0704
RT —Dissolved gases
Mineral content
Saline groundwater
—Salts
Solubility
Soluble salts
—Solutions
Water analysis

Distance 1407
RT Altitude
Depth
—Dimensions
Elevation
Extra long distance
Fetch
Geometry
Height
Length
Metrology
Position finding
Ranges
Reach (distance)
—Size
Spans
Vision
Width
Wind profiles

Distillation 0701 1302.5
UF Fractionation
BT —Separation techniques
NT —Flash distillation
Long-tube vertical distillation
Multistage flash distillation
Solar distillation
Vapor compression distillation
RT —Condensation
Condensers (liquefiers)
—Demineralization
Desalination processes
Dropwise condensation
—Evaporators
Heat exchangers
Nuclear desalting
Purification
—Separation
Tertiary treatment
—Vaporization
Waste water treatment
—Water purification

Distortion (optics) 2006
RT Asymmetry
—Deformation
—Interference
Lenses (optical)
Optics
—Refraction
Symmetry

Distortion (structural) 1313.5
RT Asymmetry
Bending
Buckling
Camber
Cracking
—Cracks
Deflection
—Deformation
Displacements
—Expansion
—Heaving
Sagging
—Strain
—Structural analysis
Swelling
Symmetry
Twisting

Distribution 1407
Use of a more specific term is recommended
NT Diurnal distribution
Ecological distribution
Load distribution
Moment distribution
Pressure distribution
Sediment distribution
Shear distribution
Spatial distribution
Temporal distribution
Water distribution (applied)
RT —Allocations
Configuration
—Disposal
Dissemination (information)
Distribution patterns
—Routing
Scattering
—Transportation
Water allocation (policy)

Distribution patterns 1407
RT Average
Channel morphology
Depth-area curves
Depth-area-duration analysis
Design storm
—Distribution
—Ecology
Environmental gradient
Flow nets
—Frequency
—Hydrographs
Limiting factors
—Mapping
—Meteorology
—Migration
Pesticide kinetics
Pollen
—Population
—Profiles
Rainfall disposition
—Rates
Rates of application
Root distribution
Sediment distribution
Water allocation (policy)
Water distribution (applied)

Distribution systems 0203.1 1302.1
BT —Gravity irrigation
—Irrigation systems
NT Border irrigation
Buried irrigation systems
—Furrow irrigation
—Surface irrigation
RT Automation
Concrete pipes
—Ditches
—Laterals
Loops (electrical)
Materials handling
—Pipelines
—Pipes
Public works
—Routing
Water distribution (applied)
Water supply systems

Disturbances 1407
NT Solar disturbances
RT Auroras
Demolition
—Interference
Quick clays
Radio interference
—Storms
—Surges
Transient stability
Turbulence
Wave generation

Disturbed samples 0813 1402
BT —Samples
RT Cores
Remolded soil samples
—Samplers
—Sampling
Soil investigations
—Soil samplers
—Soil tests
Undisturbed samples

Ditches 1302
NT Contour furrows
—Furrows
Irrigation ditches
RT Bypasses
—Canals
—Channels
—Conduits
—Conveyance structures
—Distribution systems
Diversion structures
—Drainage
Drainage costs
Drainage engineering
Drainage practices
—Drains
—Excavation
—Furrow irrigation
Gullies
Gully erosion
—Hydraulic structures
—Irrigation
—Irrigation canals
Irrigation engineering
—Laterals
—Open channels
Sublaterals
—Surface irrigation
Terracing
—Trenches
Unlined canals
Water conveyance
Water spreading

Ditch grass 0603.1
UF Ruppia maritima
BT —Aquatic life
—Aquatic plants
—Marine plants
—Monocots
—Plants (botany)

Diurnal 1407
RT Biorhythms
Diel migration
Diurnal distribution
Diurnal variations
Fluctuation
Lake breezes
Land breezes
Microenvironment
—Migration
Nocturnal
Photoactivation
Sea breezes
Seasonal
Stomata
Thermoperiodism
—Tides
—Time
Vertical migration

Diurnal distribution 1407
BT —Distribution
RT Biorhythms
Diel migration
Diurnal
Diurnal variations
Ecological distribution
Migration patterns

Diurnal variations 1407
BT —Periodic variations
RT Biorhythms
—Cycles
Diurnal
Diurnal distribution
Fluctuation
Freeze-thaw cycle
Photoperiodism
Thermographs
Tidal hydraulics
—Tides
Timing

Diversification 0503
RT Capital
—Employment
—Obsolescence
Specialization

Diversion 0808
RT Alteration of flow
Dam construction
—Depletion

Diversion (Con.)
Diversion dams
Diversion losses
Diversion loss returns
Diversion structures
Diversion tunnels
Diversion works
–Earth dams
Flood control
Interbasin water transfers
–Irrigation practices
Natural flow doctrine
Obstruction to flow
–Prior appropriation
Reasonable use
Relative rights
–Riparian rights
–Streamflow
Streamflow depletion
–Water management (applied)
Water plans
Water spreading
–Water utilization
Withdrawal

Diversion dams 1313.1
BT –Dams
–Hydraulic structures
RT Aprons
–Canals
Check dams
Cofferdams
–Concrete dams
–Concrete structures
Control structures
Dikes
Diversion
Diversion structures
Diversion tunnels
Diversion works
–Earth dams
–Earthworks
–Embankments
–Flow control
Headworks
–Irrigation systems
Overflow
River closures
Sluices
–Spillways
Uplift pressure
Water control
Water supply
–Weirs

Diversion losses 0203.1
BT –Losses
RT Consumptive use (water)
Diversion
Diversion loss returns
–Evaporation
–Seepage
Seepage losses
–Water loss

Diversion loss returns 0203.1
RT Diversion
Diversion losses
Recirculating irrigation system
Reclaimed water
Return flow
–Water loss
–Water reuse

Diversions
USE Diversion structures

Diversion structures 1313.1
UF Diversions
BT –Hydraulic structures
RT –Barriers
Bypasses
Chutes
Chute spillways
–Concrete structures
–Conduits
Dam construction
–Dams
Dikes
–Ditches
Diversion
Diversion dams
Diversion tunnels
Diversion works
Fishways
Flood control
Floodgates
Floodways
–Flumes
–Gates
Interbasin water transfers
Irrigation design
–Irrigation practices
Locks (waterways)
–Orifices
–Routing
Sluice gates
Sluices
–Spillways
Wasteways
Water collection systems
Water spreading

Diversion tunnels 1313.2
BT –Conduits
–Conveyance structures
–Hydraulic structures
–Tunnels
–Underground structures
–Water tunnels (conveyance)
RT Bypasses
Dam construction
–Dams
Diversion
Diversion dams
Diversion structures
Diversion works
–Flow control
Interbasin water transfers
Penstocks
Pressure tunnels
River closures
–Spillways
–Tunnel construction
Tunnel design
Tunnel hydraulics
Tunnel linings
Tunnel plugs
Unlined tunnels
Water control

Diversion works 1313.1
RT Bypasses
–Conduits
Dam construction
–Dams
Diversion
Diversion dams
Diversion structures
Diversion tunnels
–Flow control
Flow deflectors
–Gates
–Gravity irrigation
Headworks
Hydraulic engineering
Interbasin water transfers
River closures
–Valves
Water control

D.O.
USE Dissolved oxygen

Dobsonflies 0603.2
BT –Animals
–Aquatic animals
–Aquatic insects
–Aquatic life
–Insects
–Invertebrates

Docks 1310 1313.5
UF Piers (docks)
Quays
Wharves
NT Drydocks
RT Bulkhead line
–Bulkheads
–Coastal structures
–Concrete structures
–Gates
Harbors
Jetties
Levees
Marinas
Marine engineering
Mooring
–Piers
Pile foundations

Documentation 0502
NT Abstracts
Dictionaries
Directories
Mathematical tables
Progress reports
–Reports
Streamflow records
–Tables (data)
Technical papers
RT Annotations
Bibliographies
–Classifications
Climatic data
Conferences
Coordinate indexing
Data collections
–Data processing
Data retrieval
Data storage
Descriptors
Dissemination (information)
Editing
Hydrologic data
Indexes (documentation)
–Indexing
Information centers
Information retrieval
Information science
Information systems
Keywords
Libraries
Publications
–Records
Report writing
Reviews
Selective dissemination
–Subject indexing
Technical societies
–Technical writing
Thesaurus
–Translating
Translations
Weather data

Dolerite
USE Diabase

Dolomite 0807
BT –Calcareous rocks
–Carbonate minerals
–Carbonate rocks
–Minerals
–Rocks
–Sedimentary rocks
RT Calcite
–Calcium carbonate
Lime
–Limestone
Magnesium carbonates
Marble
Marl
Sinkholes
Soluble rocks

Domes (structural) 1313.5
BT –Shell structures
RT Structural shapes
Thin shell structures

Domestic animals 0205 0603.2
UF Farm animals
BT –Animals
NT Cattle
Goats
Hogs
–Livestock
Poultry
Sheep
RT Animal groupings
Mammal groupings
–Ruminants

Domestic use
USE Domestic water

Domestic wastes 1302.1
BT –Wastes
RT Appliances
Cesspools
Detergents
Domestic water
Farm wastes
Garbage dumps
Municipal wastes
–Organic wastes
Plumbing
Septic tanks
–Sewage
Urine
Water pollution sources

Domestic water 1302.1
UF Culinary use
Domestic use
BT –Water types
RT Appliances
Beneficial use
Domestic wastes
Farm ponds
Natural use
–Organoleptic properties
Potable water
–Prior appropriation
Reasonable use
–Reservoirs
–Riparian rights
Soaps
Water allocation (policy)
Water consumption
–Water quality

Dominant organisms 0606
BT –Biological communities
–Ecotypes
RT Biota
–Climax
Competition
Ecological distribution
–Ecosystems
–Succession

Dosage 1407
RT Exposure
Lethal limit
Medicine
–Radiation
–Radiation measurement

Double-curvature arch dams 1313.1
BT –Arch dams
–Concrete dams
–Concrete structures
–Dams
–Engineering structures
–Hydraulic structures
–Structures
RT –Shell structures
Thin arch dams
Trial-load method

Douglas fir trees 0206 0603.1
BT –Coniferous trees
–Conifers
–Gymnosperms
–Plants (botany)
–Trees
RT Coniferous forests

Dowels 1305
BT –Fasteners
–Mechanical fasteners
–Pins (mechanical)
RT –Bars
Connectors (mechanical)
–Construction joints
Contraction joints
Expansion joints
Horizontal joints
–Joints (connections)
Keyways
Longitudinal joints
Nails
–Rods
Slabs
–Structural members
Transverse joints
Vertical joints

Down (bird) 0616
RT –Birds

Downpull (hydraulic)
USE Hydraulic downpull

Downstream 1407
RT –Streamflow
–Streams
Underflow
Upstream

Dowsing 0808.1
UF Water witching
RT –Exploration
–Groundwater

Draft
USE Withdrawal

Drafting
USE Drawings

Draft-storage curves 0808
BT –Curves
–Geometric shapes

Draft-storage curves (Con.)
RT Hydrologic data
Reservoir capacity
–Reservoir operation
Reservoir storage

Draft tubes 1313.1
BT –Conduits
–Rigid tubing
–Tubes
RT Deriaz pump turbine
–Engineering structures
–Hydraulic structures
–Hydraulic turbines
Hydroelectric powerplants
Kaplan turbines
–Reaction turbines
–Reversible turbines
Spiral cases
Submerged flow
–Surges
Turbine parts
–Turbines
Water wheels

Drag 2004
NT Pressure drag
RT Aerodynamics
Ballistics
–Boundary layer
Deceleration
–Friction
Friction coefficient (hydraulic)
Negative friction
–Resistance coefficients
Skin friction
Thrust
Wakes
Wall friction

Draglines 1303
BT –Construction equipment
–Earth handling equipment
–Equipment
–Excavators
RT Bulldozers
Clamshells
Dredges
Mobile equipment
Shovels

Dragonflies 0603.2
BT –Animals
–Aquatic animals
–Aquatic insects
–Aquatic life
–Insects
–Invertebrates

Drainage 0808.1
NT Controlled drainage
Furrow drainage
Mine drainage
Mole drainage
–Subsurface drainage
Superimposed drainage
Surface drainage
Tile drainage
Tile drains
Underdrains
RT –Agronomic crops
Airports
Arable land
Chiselling
Closed basins
Corrugated metal pipe
Darcys law
Dewatering
–Discharge (water)
–Ditches
Drainage basins
Drainage effects
Drainage engineering
Drainage practices
Drainage programs
Drainage systems
Drainage water
Drainage wells
–Drains
Drawdown curves
–Filters
Flap valves
Flow nets
–Fluid filters
Galleries
Highway engineering
Horizontal drains
–Hydrographs
–Hydrology
–Land forming
–Land management
Land preparation
Land reclamation
Large watersheds
Leaching
Open drains
Path of pollutants
Paving
Peak runoff
–Pervious blankets
Ponding
–Pumping
Pumping plants
Rational formula
River basins
–Running waters
–Runoff
Sand filters
Saturated soils
–Seepage
Sludge treatment
Soil conservation
Soil moisture movement
Soil reclamation
Soil water movement
–Subsurface drains
Sumps
–Surface waters
–Tunnel construction
Unlined tunnels
–Unsaturated flow
Vertical mulching
Waterlogged land
–Water management (applied)
–Water resources management
–Watersheds (basins)
–Water table
Weepholes
Wellpoints

Drainage basins 0808
BT –Basins
–Land forms
RT Agricultural watersheds
Catchments
Demonstration watersheds
–Drainage
Drainage density
Flood hydrographs
–Floods
Headwaters
–Hydrographs
–Hydrology
Interfluves
–Rainfall
River basins
–Runoff
Sediment yield
Stream drainage patterns
Time of concentration
–Watersheds (basins)
Watersheds (divides)

Drainage costs 1401
BT –Costs
RT –Ditches
Drainage density
Drainage engineering
Drainage practices
Drainage programs
Drainage systems
Land reclamation
–Subsurface drains
Tile drains

Drainage density 0808.1
RT –Dimensions
Drainage basins
Drainage costs
Geomorphology
–Hydrogeology
Interfluves
Stream drainage patterns
Tributaries
Vegetation effects

Drainage districts 0504
BT –Regions
RT –Governments

Drainage divides
USE Watersheds (divides)

Drainage effects 0808.1
BT –Effects
RT Allogenic succession
Crop response
–Drainage
Drainage practices
Drainage programs
Fertilization
–Groundwater
–Habitats
Irrigation effects
Karst
Marsh management
Soil chemical properties
–Soil properties
–Soil water
Soil-water-plant relationships
–Wildlife management

Drainage engineering 0808.1 1302
BT –Civil engineering
–Engineering
RT Agricultural engineering
Channeling
Controlled drainage
Dewatering
–Ditches
–Drainage
Drainage costs
Drainage programs
Drainage systems
Drain spacing
Furrow drainage
Irrigation engineering
Open drains
–Pumps
Soil moisture movement
Tile drainage
–Water management (applied)
–Water resources management

Drainage networks
USE Drainage systems

Drainage patterns (geologic)
USE Stream drainage patterns

Drainage practices 0808.1
RT Controlled drainage
Dewatering
–Ditches
–Drainage
Drainage costs
Drainage effects
Drainage programs
Drainage systems
Farm management
Furrow drainage
Land reclamation
Tile drainage
–Water management (applied)
–Water resources management
Wellpoints

Drainage programs 0808.1
BT –Programs
RT –Administration
–Drainage
Drainage costs
Drainage effects
Drainage engineering
Drainage practices
Drainage systems
Recirculating irrigation system
–Water management (applied)
–Water resources management
–Wildlife conservation

Drainage systems 0808.1
UF Drainage networks
RT Contour furrows
Controlled drainage
Dewatering
–Drainage
Drainage costs
Drainage engineering
Drainage practices
Drainage programs
Drainage water
Drainage wells
–Drains
Drain spacing
Electroosmosis
–Filters
Flood control
–Fluid filters
Groundwater recharge
Horizontal drains
–Irrigation canals
Irrigation ditches
Irrigation programs
–Irrigation systems
–Laterals
Open drains
–Outlets
–Pipes
–Pumping
Rapid drawdown
River basin development
–Rivers
River systems
Salt water barriers
Sand drains
Sand filters
Sewers
Storm drains
Stream drainage patterns
–Streams
–Subsurface drainage
–Subsurface drains
Sumps
–Surface waters
Tile drains
Tile spacing
Underdrains
Urbanization
Waste water
Water control
–Water management (applied)
–Water resources management
Watersheds (divides)
Water sources
Wellpoints

Drainage water 0808.1
UF Waste water (drainage)
BT –Water types
RT –Drainage
Drainage systems
Excess water (soils)
Repulsion (legal aspects)
Riddance (legal aspects)
–Subsurface waters
Surface runoff
–Surface waters
Waste water
–Water reuse

Drainage wells 0808.1
UF Inverted drainage wells
BT –Water wells
–Wells
RT Deep wells
–Drainage
Drainage systems
–Drawdown
Recharge wells
Relief wells
Sumps
–Swamps
Vertical drains
Wellpoints
Well yield

Drained shear tests 0813
BT –Materials tests
–Shear tests
–Tests
RT Direct shear
Effective stress
–Friction
Friction coefficient (mechanical)
Laboratory tests
Soil mechanics
–Soil tests
Torsion shear tests
–Undrained shear tests

Drain field
USE Soil disposal fields

Drains 0808.1
UF Gutters
BT –Waterways
NT Chimney drains
French drains
Horizontal drains
Open drains
Sand drains
Storm drains
–Subsurface drains
Tile drains
Toe drains
Underdrains
Vertical drains
Weepholes
RT Blowoff structures
–Canals
–Channels
Clay pipes
Concrete pipes
–Conduits
Culverts
Dewatering

Drains (Con.)
–Ditches
–Drainage
Drainage systems
Drain tiles
–Filters
–Fluid filters
Grassed waterways
–Gravels
Inverted filters
–Laterals
Mole drainage
–Outlet works
Overflow
–Pipes
Relief wells
Sand filters
Sewers
Sumps
Water collection systems
Wellpoints

Drain spacing 0808.1
RT Drainage engineering
Drainage systems
Drain tiles
Horizontal drains
Hydraulic conductivity
Phreatic lines
–Subsurface drains
Tile drains
Underdrains

Drain tiles 1303
BT –Building materials
–Ceramic materials
–Closed conduits
–Conduits
–Pipes
RT Clay pipes
Concrete pipes
Dewatering
–Drains
Drain spacing
Infiltration
Piping systems (mechanical)
Storm drains
–Subsurface drains
Tile drains
Tile spacing
Toe drains
Underdrains

Drawdown 0808.1
NT Rapid drawdown
RT –Aquifers
Aquifer tests
Converging flow
Deep wells
–Depletion
Dewatering
Drainage wells
Drawdown curves
–Field permeability tests
Flood control
Forebay dams
Groundwater depletion
Groundwater flow
Hydraulic gradient
Irrigation wells
Land subsidence
Multilevel outlets
Overdraft
Phreatic lines
–Pumping
Pumping tests (wells)
Pump tests
Recession curves
–Recharge
Recharge wells
–Reservoirs
Shallow wells
Specific capacity
Theis equation
Thiems equation
Thiem test
Tile spacing
Water level fluctuations
–Water levels
–Water management (applied)
–Water table
–Water wells
–Wells
Well spacing
Well yield
Withdrawal

Drawdown curves 0808
BT –Curves
–Geometric shapes
–Profiles
–Water surface profiles
RT –Drainage
–Drawdown
–Fluid flow
Open channel flow
Overfalls
Phreatic lines
–Pumping
–Reservoir operation
–Water wells
–Wells

Drawings 1405
UF Drafting
RT Aesthetics
Arts
–Charts
Creativity
Cross sections
–Diagrams
Engineering services
Graphical analysis
Plans
–Records
Visual aids

Dredges 1303
BT –Construction equipment
–Earth handling equipment
–Equipment
–Excavators
RT Clamshells
Draglines
Dredging
Hydraulic excavation
Shovels
–Underwater excavation

Dredging 1315
BT –Underwater excavation
RT –Borrow areas
Channel improvements
Desilting
Desilting method
Dredges
–Drilling
–Earth handling equipment
Earthmoving
–Earthworks
–Excavation
–Exploration
Flood protection
Gravel pits
Hydraulic excavation
Hydraulic fill dams
Hydraulic fills
Hydraulic mining
Placer mining
River training
Spoil
Stream channels
Submarine pipelines

Driers
USE Dryers

Drift 1407
NT –Aquatic drift
Littoral drift
Pesticide drift
RT Adits
Drifting (aquatic)
Drift mining
Driftwood
Dunes
–Exploration
–Mines
Snowpacks
Stopes
Subsurface investigations
Test pits
–Tunnels
Underground openings
Unlined tunnels
Wind erosion

Drift (aquatic)
USE Aquatic drift

Drift (littoral)
USE Littoral drift

Drift (pesticide)
USE Pesticide drift

Drift (snow)
USE Snowpacks

Drift bottles 1402
BT –Instrumentation
RT –Currents (water)
Hydrologic data

Drifting (aquatic) 0803
RT –Aquatic drift
–Currents (water)
–Drift
–Seston

Drift mining 0809
BT –Mining
RT –Drift
Gold
Hydraulic mining
–Mines
Stopes
Unlined tunnels

Driftwood 0803
BT –Aquatic drift
RT –Drift

Drill holes 1303
RT Auger borings
–Augers
–Borehole cameras
Borehole geophysics
Boreholes
Boring
Calyx drills
Cavities
Drill hole TV cameras
–Drilling
–Drilling equipment
–Drills
Electrical well logging
–Exploration
Foundation investigations
–Logging (recording)
Logs
Oil wells
Percussion drilling
–Pits
Rock excavation
Rotary drilling
Soil investigations
Sounding
Subsurface investigations
Test holes
Test pits
–Wells

Drill hole TV cameras 1405
BT –Borehole cameras
–Cameras
–Instrumentation
–Optical instruments
–Photographic equipment
–Recording systems
RT Boreholes
Communication
Drill holes
–Inspection
–Logging (recording)
–Photographs
Subsurface investigations
–Television
–Well logging

Drilling 1308
NT Core drilling
Percussion drilling
Rotary drilling
RT Auger borings
–Augers
–Blasting
Boreholes
Boring
Calyx drills
–Casings
–Cutting
Dredging
Drill holes
–Drilling equipment
Drilling fluids
Drill monitors
–Drills
–Exploration
Explosive construction
Foundation investigations
–Geologic investigations
High explosives
Jetting
Locating
–Logging (recording)
Machining
–Penetration
–Pile driving
Rock breakage
Rock foundations
Rock mechanics
–Sampling
Sounding
Subsurface investigations
Subsurface mapping
–Surveying
–Surveys
Underground
Well casings
–Well logging
Well permits
Well regulations
–Wells

Drilling equipment 1309
BT –Equipment
–Machine tools
NT –Augers
Calyx drills
–Drills
Hand augers
Tunneling machines
RT Auger borings
Boring machines
–Construction equipment
Drill holes
–Drilling
–Grinders
–Mining
Percussion drilling
Reamers
Rock excavation
Rotary drilling
–Rotating machines

Drilling fluids 0809
RT Bentonite
Brines
Core drilling
–Drilling
–Expansive clays
–Field investigations
Foaming
Mud
Slurries
–Wells

A

Drill monitors 1402
BT –Equipment
–Instrumentation
RT –Drilling

Drills 1309
BT –Drilling equipment
–Equipment
NT –Augers
Calyx drills
Hand augers
RT Auger borings
Drill holes
–Drilling
Hand tools
–Machine tools
Mobile equipment
Reamers
Rotary drilling
Well casings

Drinking water
USE Potable water

Drives 1407
NT Variable-speed drives
RT Power transmission (mechanical)
Transmissions (mechanical)
Universal joints

Drive samplers 1402
BT –Samplers
–Soil samplers
RT Core drilling
Cores
Denison samplers
Piston samplers
–Sampling
Sediment samplers
Sediment sampling
Soil investigations
Undisturbed samples

Drizzle 0402
UF Light rain
BT –Groundwater sources
–Precipitation (atmospheric)
RT –Drops (fluids)
Rain

Droplets
USE Drops (fluids)

Drops (fluids) 0704
UF Droplets
NT Raindrops
RT Coalescence
–Condensation
Drizzle
Exudation
Nucleation
Particles
Particle size
Surface tension
Trickle irrigation

Drops (structures) 1313.1
BT –Hydraulic structures
RT –Canals
Chute blocks
–Concrete structures
Dentated sills
Energy dissipators
Hydraulic jump
Locks (waterways)
–Water levels

Dropwise condensation 0704
BT –Condensation
RT Desalination processes
–Distillation

Drought resistance 0616
BT –Resistance
RT Crop response
Droughts
Drought tolerance
–Environmental effects
Heat resistance (biological)
Moisture stress
Physiological ecology
Plant physiology
–Tolerances (plant)

Droughts 0402
UF Cycles (drought)
Drouth cycles
Drouths
RT Arid lands
Catch crops
–Climatology
Drought resistance
Drought tolerance
Dust storms
Hydrologic budget
–Hydrology
Low flow
Moisture deficit
Moisture stress
–Precipitation (atmospheric)
–Runoff
–Stress
Subhumid areas
Supplemental irrigation
Water shortage
–Water storage
–Weather modification

Drought tolerance 0616
BT –Tolerances (plant)
RT Catch crops
Crop response
Drought resistance
Droughts
Moisture stress
Physiological ecology
Plant physiology
–Resistance
–Water storage
–Water utilization

Drouth cycles
USE Droughts

Drouths
USE Droughts

Drowned (submerged) 1407
RT Aquatic soils
Coasts
–Shores
Submergence
Underwater

Drowning 0605
RT First aid
–Hazards
Resuscitation
–Safety

Swimming

Drugs 0615
RT Alkaloids
Medicine
Nitroglycerin

Drum gates 1313.7
BT –Gates
–Hydraulic gates
RT Air chambers
Floodgates
Sector gates
–Spillways

Drum rollers 1303
UF Smooth rollers
BT –Compaction equipment
–Construction equipment
–Equipment
–Rollers
RT –Compaction
–Earth handling equipment
Pneumatic tired rollers
Tamping rollers

Drums 1304 1309
BT –Containers
RT Buckets
Cylinders
–Mixers
–Tanks (containers)
–Vessels

Dry beds 0808
BT –Beds
RT Arid lands
Arroyos
Channel beds
Ephemeral streams
Lake beds
Playa lakes
River beds
–Streambeds

Dry cells
USE Electrolytic cells

Dry density 0813
UF Dry unit weight
Unit weight (dry)
BT –Density
–Physical properties
RT Dry weight
Field density
Mass
–Moisture content
Proctor curves
Rapid compaction control
Soil compaction
Soil density
–Soil physical properties
–Soil properties
–Soil tests
Specific gravity
Unit weight
–Void ratio

Drydocks 1310
BT –Docks
RT Locks (waterways)
Marine engineering

Dryers 1309
UF Driers
BT –Equipment
RT Absorbers
Condensers (liquefiers)
Dehydrators
Desiccants
–Evaporators
–Furnaces
Kilns
Ovens

Dry farming
USE Dry land farming

Dry ice 1107
RT Carbon dioxide
Coolants
–Ice
Refrigerants

Drying 1308
NT Forced drying
Freeze drying
Vacuum drying
RT Absorbers
Concentration
–Curing
Dehydration
Dehydrators
Desiccants
Dewatering
Efflorescence
–Evaporation
–Evapotranspiration
–Finishing
Incineration
Kilns
–Moisture content
Preservation
–Separation techniques
Soil shrinkage
Transpiration
–Water loss
Wetting and drying tests
Wilting

Dry land farming 0204
UF Dry farming
RT Agricultural engineering
Agriculture
Arid lands
Catch crops
Contour farming
Contour furrows
Crop production
–Crops
Fallowing
Farm management
Rotation
Stubble mulching

Dry pack mortar 1303.1
BT –Concrete construction
–Concrete placing
–Concretes
–Construction materials
RT Caulking
Concrete mixes
–Grouting
Joint fillers
–Plugs

Dry seasons 0402
RT Arid climates
Climatic zones
–Precipitation (atmospheric)
Seasonal

Dry unit weight
USE Dry density

Dry weight 1407
BT –Dimensions
–Physical properties
–Weight
RT Dry density
Gravity
Mass
–Soil physical properties
–Soil properties
Specific gravity
Wet weight

D.T.A.
USE Differential thermal analysis

Dual purpose 1407
RT Multiple purpose
Multiple use

Dual-purpose nuclear plants 1805
BT –Electric powerplants
–Industrial plants
–Nuclear powerplants
–Powerplants
RT –Desalination
Desalination plants
–Electric power production

Dual system 0504.1
RT –Prior appropriation
–Riparian rights

Duck foods
USE Food and cover crops

Ducks (domestic)
USE Poultry

Ducks (wild) 0603.2
BT –Animals
–Aquatic life
–Birds
–Migratory birds
–Waterfowl
–Wildlife
NT American widgeon
Barrows goldeneye duck
Black duck
Blue-winged teal
Bufflehead duck
Canvasback duck
Coastal diving ducks
Common eider duck
Common goldeneye duck
Common merganser duck
Common teal
European widgeon
Fulvous tree duck
Gadwall duck
Greater scaup duck
Green-winged teal
Lesser scaup duck
Mallard duck
Mexican duck
Mottled ducks
Oldsquaw duck
Pintail ducks
Puddleducks
Redhead duck
Ring-necked duck
Ruddy duck
Shoveler duck
Stellers eider duck
White-winged scoter
Wood duck
RT Animal groupings
Bird types
Game birds

Ductility 2012
BT –Mechanical properties
RT Brittleness
Compressibility
Elongation
Fatigue (materials)
Fatigue tests
Flexibility
Hardness
Notch effect
Plastic deformation
–Plasticity
Shear cracks
Stress relaxation
–Tensile properties
–Tensile strength
Tension tests
Toughness
Workability

Ducts 1311
RT Air conditioning
Baffles
Cavities
Cooling systems
–Heating
–Intakes
–Intake structures
–Metalwork
–Outlets
–Pipes
Ports
Steel pipes
Ventilation
Vents

Dugouts 0807
RT Farm ponds
Potholes

Dunes 0806
UF Sand dunes
BT –Land forms
RT –Aeolian soils
Arid lands
–Azonal
–Beaches
Coasts
Deserts
Drift
Dune sands
Eluvium
Sand bars
–Sands
Sand waves
–Sedimentary structures
Shore protection
Wind erosion

Dune sands 0807
BT –Earth materials
–Granular materials

Dune sands (Con.)
–Materials
–Sands
–Soils
–Soil types
RT –Aeolian soils
Arid climates
Arid lands
–Azonal
Beach sands
Deposition
Deserts
Dunes
Eluvium
Sand waves
Wind erosion

Dune succession 0606
BT –Ecosystems
–Succession
RT Geomorphology
Halophytes

Dupuit-Forchheimer theory 0808.1
RT Groundwater movement
–Hydrologic models
Laplace equation
Permeability
Porous media
Well spacing

Durability 1407
BT –Chemical properties
–Mechanical properties
NT Abrasion resistance
Corrosion resistance
Freeze-thaw durability
–Wear resistance
RT Aging (physical)
Air entrainment
–Cement-aggregate reaction
–Damages
–Degradation
–Degradation (decomposition)
Depreciation
Deterioration
–Erosion
Fatigue tests
Freeze-thaw tests
Life expectancy
Persistence
Preservation
Reliability
–Resistance
–Stability
–Strength
Vulnerability
Water-cement ratio
Wetting and drying tests
Wood preservatives

Duration curves 0808
RT Depth-area-duration analysis
Flow duration
Flow duration curves
Hydrologic data
Mass curves
–Runoff
Runoff forecasting
–Time

Dust 1107
NT Sawdust
RT Aerosols
–Application methods
Dusting
Dust storms
Formulation
Granules
Haze
Particles
Particle size
Pesticide drift
Powders
Smoke
Spores

Dust control 1302
BT –Control
RT Air conditioning
Air filters
–Air pollution
Cleaning
Decontamination
Dusting
Electrostatic precipitation
Pollution abatement
Soil conservation
Wetting

Dusting 1308
BT –Application methods
RT Dispersion
–Dust
Dust control
–Fumigants
Spraying

Dust storms 0402
BT –Storms
RT –Aeolian soils
Droughts
–Dust
Eluvium
Loess
Soil conservation
Soil erosion
Storm structure
Wind erosion

Duty of water 0203.1
UF Water duty
RT Acreage
Consumptive use (water)
Crop production
Crop response
–Crops
–Evapotranspiration
Irrigation efficiency
–Irrigation practices
–Irrigation water
Rates of application
Return flow
Water requirements
–Water utilization

Dye releases 1402
RT –Analytical techniques
–Dyes
Fluorescein
–Fluorescence
Marking techniques
Path of pollutants
Tagging
–Tracers
Tracking techniques

Dyes 1103
BT –Chemicals
NT Fluorescein
RT –Additives
Color
Dye releases
–Fluorescence
–Indicators
–Pigments
Stains
–Tracers

Dynamic loads 2011
BT –Loads (forces)
RT Cyclic loads
Dead loads
Dynamic response
–Dynamics
Dynamic stability
–Dynamic tests
Earthquake engineering
Earthquake loads
Earthquake-resistant structures
–Earthquakes
–Explosions
Explosive construction
Ice loads
Impact
Impact loads
–Live loads
Load distribution
Loading tests
Nuclear excavation
Nuclear explosions
Repeated loading
Seismic design
Seismic stability
Seismic tests
Seismology
Shear waves
Shock (mechanics)
Soil dynamics
Stress waves
–Structural design
Total loads
Transient stress
–Vibration
Vibratory compaction
Wind bracing

Dynamic programming 1202
BT –Operations research
RT Computer applications
Computer programming
–Constraints
Linear programming
–Mathematical models
–Mathematics
Simulation

Dynamic properties
USE Dynamics

Dynamic response 1407
RT Amplification
–Damping
Dynamic loads
–Dynamics
Dynamic stability
–Dynamic tests
Dynamometers
Earthquake damage
Earthquake-resistant structures
–Earthquakes
Explosive construction
Impact tests
Natural frequency
Seismic design
Seismic properties
Seismic stability
Seismic tests
Seismology
Sensitivity
Shock (mechanics)
Shock resistance
Shock tests
Soil dynamics
–Stability
Structural behavior
–Structural design
–Vibration

Dynamics 2011
UF Dynamic properties
BT –Physics
NT Aerodynamics
–Fluid dynamics
Group dynamics
Hydrodynamic pressure
–Hydrodynamics
Soil dynamics
RT Ballistics
Dynamic loads
Dynamic response
Dynamic stability
–Dynamic tests
Dynamometers
–Engineering mechanics
–Fluid mechanics
–Hydraulics
–Kinetics
–Mechanics
Momentum
Momentum transfer
–Statics
–Velocity
–Vibration

Dynamic stability 1407
BT –Stability
RT –Bearing capacity
–Damping
Dynamic loads
Dynamic response
–Dynamics
–Dynamic tests
Earthquake loads
Earthquake-resistant structures
Safety factors
Seismic design
Seismic properties
Seismic stability
Seismic tests
Slope angles
Soil dynamics
–Soil properties
Soil stability
–Stability analysis
–Stabilization
–Structural stability
Vulnerability

Dynamic tests 1402
BT –Tests
NT Impact tests
Seismic tests
Vibration tests
RT Dynamic loads
Dynamic response
–Dynamics
Dynamic stability
–Field tests
Loading tests
Rock tests
Shear waves
Shock (mechanics)
Shock tests
Soil dynamics
Static tests
–Statistical analysis
–Test equipment
Test machines
Vibration tables
–Vibrators (mechanical)
Vibratory compaction

Dynamite
USE Explosives

Dynamometers 1402
BT –Electric generators
–Equipment
–Generators
–Instrumentation
–Measuring instruments
–Motor generators
–Test equipment
RT Accelerometers
Dynamic response
–Dynamics
–Gages
Laboratory equipment
–Power
–Tension
Tension tests
Torque
–Velocity

Dystrophy 0606
RT Aging (biological)
Eutrophication
–Fish
–Nutrients
Oligotrophy
–Oxygen
–Plankton
–Population
–Productivity
Stagnant water
Stream pollution
–Surface waters
–Water pollution
Water properties
–Water quality

E

Early impoundment 1302.6
BT –Impoundments
–Reservoir stages
RT –Habitats
–Post-impoundment
Pre-impoundment
–Reservoirs
–Succession

Earnings 0501 0503
RT Budgeting
–Income
Interest (finance)
–Payment
–Profit
Revenues
Risks
Salaries
–Taxes
Wages

Earth (diatomaceous)
USE Diatomaceous earth

Earth (planet) 0301
BT –Astronomical bodies
–Planets
RT Astronomy
Geodesy
–Geography
Moon

Earth (soil)
USE Soils

Earth-air interfaces
USE Air-earth interfaces

Earth dams 1313.1
UF Earthfill dams
Embankment dams
Fill dams
BT –Dams
–Earthworks
–Embankments
NT Hydraulic fill dams
RT –Barriers
–Borrow areas
Borrow materials
Borrow pits
Chimney drains
Cofferdams
Compacted soils
–Compaction
–Concrete dams
Cutoffs
Cutoff trenches
Cutoff walls
Dam construction
Dam crests
Dam design
Dam facings
Dam foundations
Damsites
Dam stability
Dikes
Diversion
Diversion dams
–Earthfill
–Earth handling equipment
–Earth materials
Earthmoving
–Fills
Flow nets
Forebay dams
Gravel blankets
Gravity dams
–Grouting
Hydraulic fills
Levees
–Navigation dams
–Outlet works
Phreatic lines
–Pore pressure
Rapid drawdown
Riprap
Rock blankets
Rockfill dams
Rock fills
Rock slope stability
Rolled fills
Seepage control
Slip-circle method
Slope angles
Slope protection
–Slope stability
Soil cement
Soil compaction
Soil investigations
Soil mechanics
Soil pressure
–Spillways
–Stability analysis
Test fills
Toe drains
Transition zones
Underseepage
Vertical drains
Zoned embankments

Earthfill 1303
BT –Fills
NT Hydraulic fills
RT Backfills
Compacted soils
–Compaction
Dikes
–Disposal
–Earth dams
–Earth handling equipment
–Earth materials
Earthmoving
–Earthworks
–Embankments
Hydraulic fill dams
–Land forming
Levees
Lifts (construction)
Rock fills
Rolled fills
Soil compaction
Stockpiling
–Waste disposal

Earthfill dams
USE Earth dams

Earth flow
USE Earth movements

Earth handling equipment 1303
UF Graders
Power shovels
Scrapers
Steam shovels
BT –Construction equipment
–Equipment
NT Clamshells
Draglines
Dredges
–Excavators
Rock crushers
Scarifiers
Screeds
Shovels
Tunneling machines
Wheel excavators
RT Belt conveyors
Bulldozers
–Compaction equipment
–Construction
–Conveyors
Cuts
Dikes
Dredging
Drum rollers
–Earth dams
–Earthfill
–Earth materials
Earthmoving
–Earthworks
–Embankments
–Excavation
–Fills
Grading (earthwork)
Hauling
–Land forming
Levees
Loaders
Materials handling
Mechanical equipment
–Mining
Pneumatic tired rollers
Prime movers
Quarrying
Rapid excavation
Road construction
–Rollers
Tamping rollers
–Tractors
–Tunnel construction

Earth-lined canals 1313.1
BT –Canals
–Channels
–Conduits
–Conveyance structures
–Lined canals
RT Bank erosion
Binders
Canal construction
Canal linings
Earth linings
–Earth materials
Impervious blankets
Impervious soils
Selected materials
Unlined canals

Earth linings 1313.1
BT –Linings
RT Bank erosion
Binders
–Blankets
Canal linings
Canal seepage
Concrete linings
Earth-lined canals
–Earth materials
–Earthworks
Impervious blankets
Impervious linings
Impervious soils
–Lined canals
–Pervious blankets
Pervious linings
Rock blankets
Selected materials

Earth materials 1303
BT –Construction materials
–Materials
NT –Acidic soils
Adobe
–Aeolian soils
–Alkaline soils
Alkali soils
Anaerobic soils
Aquatic soils
Beach sands
Bentonite
Boulders
Brown soils
–Calcareous soils
Caliche
Chestnut soils
–Clays
Cobbles
Cohesionless soils
Cohesive soils
–Colluvium
Compacted soils
Compressible soils
Detrital soils
Diatomaceous earth
Dune sands
–Expansive clays
–Expansive soils
–Finegrained soils
–Frozen soils
Glacial soils
–Gravels
Gumbo
Impervious soils
Kaolin
Lacustrine deposits
Lake soils
Laterites
–Loams
Loess
Loose soils
Marine clays
Marl
Mud
Organic clays
Organic silts
–Organic soils
Pea gravel
Peat
–Pervious soils
Preconsolidated soils
Pumice
Quick clays
Residual soils
Rock flour
–Sands
Saturated soils
Silty loams
–Soils
Subsoil
Topsoil
Unconsolidated soils
Undisturbed soils
Unsaturated soils
Volcanic ash
RT –Borrow areas
Borrow materials
Borrow pits
–Earth dams
–Earthfill
–Earth handling equipment
Earth-lined canals
Earth linings
Earthmoving
–Earthworks
–Embankments
–Excavation
–Fills
–Fines
–Fine-textured soils
–Landslides
Overburden
Pit run materials
–Placing
Puddling
–Sediments
Selected materials
Soil aggregates
Soil cement
Soil classifications
Soil compaction
Soil components
Soil engineering
Soil investigations
Soil mechanics
–Soil physical properties
Soil physics
–Soil properties
–Soil tests
Spoil
Zoned embankments

Earth movements 0807 0811
UF Earth flow
BT –Movement
NT Debris avalanches
–Landslides
Rockslides
RT –Avalanches
Differential displacements
Earthquake damage
–Earthquakes
Earthquake theory
–Geology
Geophones
Land subsidence
Mudflows
–Seismic waves
Seismology
Sliding
Tiltmeters

Earthmoving 1315
RT Backfills
–Borrow areas
Borrow pits
–Construction equipment
–Conveyors
Cuts
Dam construction
Dikes
Dredging
–Earth dams
–Earthfill
–Earth handling equipment
–Earth materials
–Earthworks
–Embankments
–Excavation
–Excavators
–Fills
Grading (earthwork)
Hauling
Hydraulic excavation
Hydraulic fills
Levees
Overexcavation
Overhaul
Quarrying
Rapid excavation
Stripping
Terracing
Tunneling

Earth pressure 0813
BT –Pressure
NT Active pressure
At rest pressure
Passive pressure
RT –Compaction
Dead loads
Horizontal loads
Hydrostatic pressure
–Lateral forces
Load distribution
–Loads (forces)
Pressure distribution
Rankine pressure
–Retaining walls
Rock pressures
Soil mechanics
Soil pressure
–Stress
Stress analysis
Stress distribution
–Tunnel construction
Tunnel linings
Uplift pressure

Earthquake damage 0811
RT –Avalanches
Bridge failure
Dam breaches
Dam failure
Disasters
Dynamic response
–Earth movements
Earthquake engineering
Earthquake-resistant structures
–Earthquakes
–Failure
–Landslides
Seismic stability
Structural behavior

Earthquake engineering 0811
BT –Engineering
RT Building codes
Design earthquake
Dynamic loads
Earthquake damage

USE = Use preferred term; UF = Used for; BT = Broader term; NT = Narrower term; RT = Related term

Earthquake engineering (Con.)
Earthquake loads
Earthquake-resistant structures
–Earthquakes
Earthquake theory
Engineering geology
Seismic design
Seismic properties
Seismic stability
Seismic studies
Seismic tests
–Seismic waves
Seismographs
Seismology
Soil dynamics
–Structural design

Earthquake focus 0811
RT –Earthquakes
Earthquake theory
Epicenters
Magnitude
Seismographs
Seismology

Earthquake loads 2011
BT –Loads (forces)
RT –Acceleration (physics)
Building codes
Dam stability
Design earthquake
Dynamic loads
Dynamic stability
Earthquake engineering
Earthquake-resistant structures
–Earthquakes
Earthquake theory
Horizontal loads
–Lateral forces
–Live loads
Load distribution
Load factors
Seismic design
Seismic stability
Seismic tests
Seismic velocity
–Seismic waves
Seismology
Shear waves
Shock (mechanics)
Shock waves
Soil dynamics
–Stress
Stress waves
–Structural design
–Structural stability
Transient stress
Vertical loads
–Vibration

Earthquake recorders
USE Seismographs

Earthquake-resistant structures
1313.5
BT –Structures
RT –Damping
Design earthquake
Dynamic loads
Dynamic response
Dynamic stability
Earthquake damage
Earthquake engineering
Earthquake loads
–Earthquakes
Earthquake theory
Seismic design
Seismic properties
Seismic stability
Structural behavior
–Structural design
–Tunnel construction

Earthquakes 0811
NT Design earthquake
RT Dam failure
Differential displacements
Disasters
Dynamic loads
Dynamic response
–Earth movements
Earthquake damage
Earthquake engineering
Earthquake focus
Earthquake loads
Earthquake-resistant structures
Earthquake theory
Engineering geology
Epicenters
Faults (geology)
–Geology
–Intensity
–Landslides
Land subsidence
–Liquefaction
Magnitude
–Movement
Seismic design
Seismic investigations
Seismic stability
–Seismic waves
Seismographs
Seismology
Shock (mechanics)
Shock waves
Soil dynamics
Soil liquefaction
–Stress
Structural geology
Tsunamis
–Vibration

Earthquake theory 0811
RT Design earthquake
–Earth movements
Earthquake engineering
Earthquake focus
Earthquake loads
Earthquake-resistant structures
–Earthquakes
–Intensity
Seismic design
Seismic properties
Seismic tests
–Seismic waves
Seismology

Earth resistivity (electrical) 0901.1
BT –Electrical properties
–Physical properties
–Resistivity
RT Electrical grounding
Electrical studies
Electrical well logging
Resistivity surveys
–Soil properties
Soil resistivity

Earth-water interfaces 0808
UF Water-earth interfaces
BT –Boundaries (surfaces)
–Interfaces
NT Mud-water interfaces
Sediment-water interfaces
RT Boundary processes
Hygroscopic water
Microenvironment
Shear drag
Soil surfaces

Earthworks 1302 1313
NT Canal embankments
–Earth dams
–Embankments
Hydraulic fill dams
Levees
Rockfill dams
Terraces
Zoned embankments
RT Backfills
–Borrow areas
Borrow materials
Borrow pits
Bulldozers
Charges (explosives)
–Clearing
Compacted soils
–Compaction
Composite structures
–Construction
Cratering
Cribbing
Cuts
Dikes
Diversion dams
Dredging
–Earthfill
–Earth handling equipment
Earth linings
–Earth materials
Earthmoving
–Excavation
–Fills
Hydraulic excavation
Hydraulic fills
Impervious blankets
Landfills
Landscaping
Overexcavation
Overhaul
Puddling
Quarrying
Rapid compaction control
Roadbanks
Rock excavation
Rolled fills
Rolling
Selected materials
–Slopes
Soil compaction
Soil mechanics
–Stability analysis
Stockpiling
Stripping
Tamping rollers
Terracing
Test fills
–Trenches
–Underwater excavation
Vibratory compaction

Earthworms
USE Annelids

Easements 0504.1
NT Scenic easements
RT Condemnation
Land acquisition
–Legal aspects
Litigation
Right-of-way

Eccentricity 1407
RT Asymmetry
Eccentric loading
Symmetry
Variability

Eccentric loading 2011
RT Bending
Bending moments
Bending stress
Buckling
Columns
Eccentricity
Load distribution
Pile lateral loads
–Structural design
Torque
Total loads
Twisting

Echo soundings
USE Sounding

E. coli 0613
UF Escherichia coli
BT –Bacteria
–Coliforms
–Microorganisms
–Plants (botany)
RT –Aquatic bacteria
–Aquatic microorganisms
–Enteric bacteria
Pathogenic bacteria
Sewage bacteria

Ecological balance
USE Balance of nature

Ecological distribution 0606
BT –Distribution
RT –Barriers
Biogeography
–Biological communities
Diurnal distribution
Dominant organisms
–Ecology
–Ecosystems
Highway effects
Latitudinal studies
Spatial distribution
Temporal distribution

Ecology 0606
UF Animal ecology
Bionomics
Plant ecology
NT Environmental gradient
Physiological ecology
Primary productivity
Radioecology
Secondary productivity
RT –Aquatic habitats
Aquatic microbiology
Atolls
Balance of nature
–Behavior
–Biology
–Biomes
Biorhythms
Competition
Dendrochronology
Distribution patterns
Ecological distribution
–Ecotypes
Entomology
–Environmental effects
–Environments
Fish and wildlife
–Fisheries
Fish management
Food chains
Food webs
Forest fires
–Grasslands
–Habitats
Highway effects
Iced lakes
Latitudinal studies
–Life cycles
Life expectancy
Life history studies
Limiting factors
–Limnology
Man
–Migration
Parasitism
Phenology
Political aspects
–Population
–Post-impoundment
–Predation
Pre-impoundment
–Productivity
Radioactivity effects
Rhizosphere
–Sociology
Soil microbiology
–Succession
Symbiosis
Vertical migration
–Wildlife
Zoology

Economic efficiency 0503
BT –Efficiencies
RT –Benefits
–Costs
Economic justification
–Economics
–Economies
Engineering costs
Finance
Financing
–Income
Investment
Labor savings
–Marketing
–Planning
–Productivity
–Profit
Resource mix
Risks
–Value
Value engineering

Economic evaluation
USE Evaluation

Economic feasibility 0503
BT –Feasibility
RT Benefit-cost analysis
Benefit-cost ratios
Economic justification
–Economics
Engineering economy
Feasibility studies
Financial feasibility
Project feasibility
Project planning
Site selection
Technical feasibility

Economic growth 0503
BT –Growth
RT Cost indexes
–Economics
–Expansion
–Industries
Land development
–Resource development
Water resources development

Economic impact 0503
RT Condemnation value

Economic impact (Con.)
  —Economics
  —Effects
  —Employment
  Industrial production
  —Industries
  Inflation (economic)
  Monetary benefits
  Political aspects
  —Prices
  —Recreation
  Social impact
  Third party effects

Economic justification 0503
RT Benefit-cost ratios
  Budgeting
  Decision making
  Economic efficiency
  Economic feasibility
  —Economics
  —Investigations
  Optimum development plans
  —Planning
  Preliminary investigations

Economic life 0503
RT Aging (physical)
  Depreciation
  —Economics
  —Economies
  Engineering obsolescence
  —Obsolescence
  Risks
  —Value

Economic prediction 0503
BT —Forecasting
RT —Economics
  Monetary benefits

Economic rent 0503
RT —Profit
  Renting
  —Value
  Wages

Economics 0503
Use of a more specific term is recommended
BT —Sciences
  —Social sciences
NT Agricultural economics
RT —Administration
  —Allocations
  Area redevelopment
  Benefit-cost analysis
  Benefit-cost ratios
  —Benefits
  Capital
  Community development
  Competition
  Conjunctive use
  —Conservation
  —Contracts
  Cooperatives
  —Cost allocation
  —Cost analysis
  Cost repayment
  —Costs
  Cost savings
  Decision making
  —Demand
  Depression
  Direct benefits
  Direct costs
  Diseconomies of scale
  Economic efficiency
  Economic feasibility
  Economic growth
  Economic impact
  Economic justification
  Economic life
  Economic prediction
  —Economies
  Economies of scale
  Elasticity of demand
  Elasticity of supply
  —Employment
  Employment opportunities
  Engineering costs
  Farm management
  Farm units
  —Feasibility
  Feasibility studies
  Government finance
  —Governments
  Human resources
  —Income
  Inflation (economic)
  —Input-output analysis
  —Institutions
  —Insurance
  Interest (finance)
  Investment
  Labor savings
  Labor supply
  Labor unions
  Land resources
  Land tenure
  —Legal aspects
  —Management
  —Marketing
  Monetary benefits
  Monopoly
  Multiple purpose projects
  —Natural resources
  —Operations research
  Political aspects
  Power marketing
  —Prices
  Principal
  —Productivity
  —Profit
  Project planning
  —Reclamation
  —Recreation
  Rehabilitation
  —Research and development
  Resource allocation
  —Resource conservation
  —Resources
  Return to scale
  Risks
  —Social aspects
  —Supply
  Surveys (data collection)
  Third party effects
  Trade associations
  Urbanization
  —Value
  Value engineering
  Water demand
  Water pricing
  Water requirements

Economies 1401
NT Economies of scale
RT Comparative costs
  —Costs
  Cost savings
  Design improvements
  Economic efficiency
  Economic life
  —Economics
  —Efficiencies
  Innovation
  Labor savings
  Value engineering

Economies of scale 0503
BT —Economies
RT —Benefits
  Cost comparisons
  —Costs
  —Economics
  —Income
  Return to scale

Ecosystems 0606
NT Allogenic succession
  Annual succession
  Autogenic succession
  Biorhythms
  Climatic climax
  —Climax
  Disclimax
  Dune succession
  Emerging vegetation stage
  —Lake stages
  Pioneer stage
  Postclimax
  Preclimax
  Subclimax
  Submerged vegetation stage
  —Succession
  Temporary pond stage
RT —Biological communities
  Comparative productivity
  Dominant organisms
  Ecological distribution
  Food chains
  Food pyramids
  Food webs
  Latitudinal studies
  Niches
  —Reservoir stages
  Trophic level

Ecotypes 0606
BT —Biological communities
NT Dominant organisms
RT Acclimatization
  Biota
  —Ecology
  Environmental gradient
  Latitudinal studies
  Niches
  —Population
  Speciation
  —Vegetation establishment

Edaphology
USE Soils

Eddies 2004
(excludes eddy currents)
UF Whirlpools
BT —Currents (water)
RT Flow around objects
  —Fluid flow
  —Losses
  Mixing length
  Roll waves
  Rotational flow
  Turbulence
  Turbulent flow
  Vortices
  —Water circulation

Eddy currents 2003
BT —Electric current
RT —Electrical properties
  —Electric conductors
  Hysteresis

Edge effect 1407
RT Border irrigation
  —Environmental effects

Editing 0502
RT Abstracts
  Bibliographies
  Correction
  —Documentation
  Errors
  Grammars
  Machine translating
  Preparation
  Publications
  Technical papers
  —Technical writing
  Translations
  Vocabularies

Education 0509
NT Engineering education
RT Area redevelopment
  Careers
  Colleges
  Human engineering
  —Instruction
  Learning
  Libraries
  Management training
  Manpower
  Memory
  Orientation
  —Personnel
  Personnel management
  Preparation
  Professional development
  —Professional personnel
  —Professional societies
  Programmed instruction
  Psychological aspects
  —Schools (education)
  —Sciences
  Self-improvement
  —Social aspects
  —Sociology
  Students
  —Training
  Universities

Eels 0603.2
BT —Animals
  —Aquatic animals
  —Aquatic life
  —Fish
  —Marine animals
  —Marine fish
  —Saline water fish
  —Wildlife
RT Catadromous fish
  —Lampreys
  Morays

Effective precipitation 0402
BT —Groundwater sources
  —Precipitation (atmospheric)
RT Consumptive use (water)
  Demand (irrigation systems)
  Precipitation excess
  Storm runoff
  Time lag

Effective stress 2012
BT —Stress
RT Drained shear tests
  Internal friction
  Intrinsic pressure
  Negative pore pressure
  Neutral stress
  Pore air pressure
  —Pore pressure
  Pore water pressure
  Shear strength
  —Shear tests
  Soil strength
  —Soil tests
  Strength of materials
  —Structural design
  Total stress

Effects 1407
Use of a more specific term is recommended
NT Air pollution effects
  Drainage effects
  —Environmental effects
  Highway effects
  Irrigation effects
  Radioactivity effects
  Soil contamination effects
  Third party effects
  Tidal effects
  Vegetation effects
  Water pollution effects
RT Economic impact
  Influence charts

Effervescence 0704
RT Air bubbles
  —Air pollution
  Boiling
  —Bubbles
  —Discharge (water)
  Fermentation
  Liquid wastes
  Reclaimed water
  Sanitary engineering
  Smoke
  —Wastes
  Waste water (pollution)
  —Waste water disposal
  Water pollution sources
  Water treatment plants

Efficiencies 1407
NT Barometric efficiency
  Competing uses
  Economic efficiency
  Irrigation efficiency
  Plant efficiencies
  Turbine efficiency
RT —Costs
  —Economies
  —Electric power production
  Energy losses
  Equipment costs
  Farm units
  Human engineering
  Human resources
  —Indexes (ratios)
  Innovation
  Inventions
  Job analysis
  Labor savings
  Labor supply
  Management analysis
  Optimization
  Optimum design
  Performance
  Production control
  —Productivity
  Professional advancement
  —Quality control
  Time and motion studies

Efflorescence 1303.1
RT —Cements
  Chalking
  —Concretes
  Dehydration
  —Drying
  —Masonry

Efflorescence (Con.)
–Surface properties
Weathering

Effluent reuse 1302.1
RT Liquid wastes
Reclaimed water
Sanitary engineering
–Sewage
–Sewage treatment
Stream pollution
–Water purification
–Water reuse
–Water treatment

Effluents 1302.1
NT Sewage effluents
RT –Air pollution
–Discharge (water)
Liquid wastes
Reclaimed water
Sanitary engineering
Sewage treatment plants
–Sewage works
Smoke
Stream pollution
–Wastes
Waste water
Waste water (pollution)
–Waste water disposal
Water pollution sources
Water treatment plants

Effluent streams 0808
BT –Bodies of water
–Land forms
–Streams
RT Base flow
–Groundwater
Influent streams

Eggs 0603.2 0608
BT –Growth stages
NT Bird eggs
Fish eggs
Insect eggs
RT Embryonic growth stage
Fecundity
Hatching
Incubation
–Life cycles
Life expectancy
Nests
–Reproduction (biology)

EH
USE Oxidation-reduction potential

EHV
USE Extra high voltage

Eider (common)
USE Common eider duck

Eider (stellers)
USE Stellers eider duck

Ejection 1407
RT –Disposal
–Removal

Ejectors 1407
RT Dispensers
Injectors
Jet pumps
–Materials handling equipment
–Pumps
Vacuum pumps

Elasmobranches 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Marine animals
–Marine fish
–Saline water fish
–Wildlife
NT Sharks
RT Fish types
Sport fish

Elastic deformation 2012
BT –Deformation
–Mechanical properties
RT Deformation modulus
Elasticity (mechanical)
Elastic limit
Elastic theory
Modulus of elasticity
Plastic deformation
Poisson ratio
Rebound
–Strain
Strain energy

Elasticity (mechanical) 2012
BT –Mechanical properties
RT Barometric efficiency
Concrete properties
Elastic deformation
Elastic limit
Elastic theory
Flexibility
Inelastic action
Modulus of elasticity
–Physical properties
Poisson ratio
Rebound
Resilience
Rigidity
Rock properties
Seismology
Shear modulus
–Tensile strength
–Tension
Viscoelasticity

Elasticity modulus
USE Modulus of elasticity

Elasticity of demand 0503
RT –Demand
–Economics
Equilibrium prices
Market value
–Prices

Elasticity of supply 0503
RT –Economics
Equilibrium prices
Market value
–Prices
–Supply

Elastic limit 2012
BT –Mechanical properties
RT Concrete properties
Elastic deformation
Elasticity (mechanical)
Elastic theory
Modulus of elasticity
Poisson ratio
–Strain
–Stress
Stress-strain curves
–Tensile properties

Elastic theory 2012
BT –Theory
RT –Deformation
Elastic deformation
Elasticity (mechanical)
Elastic limit
–Engineering mechanics
–Mechanics
Modulus of elasticity
Plastic theory
Poisson ratio
Shear modulus
Strain energy
Strength of materials
Stress analysis
–Structural design

Elastic waves 2001
BT –Mechanical waves
–Periodic variations
–Radiation
–Transport phenomena
–Waves
NT Cavitation noise
–Microseisms
–Sound waves
RT –Acoustics
–Frequency
Longitudinal waves
Nodes
Rock noise
Shear waves
Shock waves
Soil dynamics
Stress waves
Transverse waves
–Vibration
Wave generation
Wavelength
Wave velocity

Elastomers 1110
NT Foam rubber
–Rubber
Synthetic rubber
RT Copolymers
–Linings
–Plastics
Polymers
Polysulfide resins
Polyurethane resins
–Synthetic resins
–Vinyl resins

ELD
USE Extra long distance

Electrical conductance 2003
Conductance (electrical)
Conduction (electric)
Conductivity (electrical)
BT –Electrical properties
RT Capacitance
–Conductivity
Electrical impedance
Electrical resistance
–Electric conductors
Inductance
Reactance

Electrical design 0903
BT –Design
RT –Circuits
Electrical engineering
–Electrical equipment
–Electric generators
–Electric motors
–Electric powerplants
Induction motors
Integrated circuits
Substations (electrical)
Switchgear
Switchyards (electrical)
–Transmission (electrical)
–Transmission lines

Electrical engineering 0903
Use of a more specific term is recommended
UF Electrical engineers
Engineers (electrical)
BT –Engineering
RT Electrical design
–Electrical equipment
–Electrical properties
–Electric generators
Electricity
–Electric motors
Electric networks
–Electric powerplants
Electronics
Phase studies
Power system operations
Substations (electrical)
Switchgear
Switchyards (electrical)
–Transmission (electrical)
–Transmission lines

Electrical engineers
USE Electrical engineering

Electrical equipment 0901
UF Condensers (synchronous)
Synchronous condensers
BT –Equipment
NT Air switches
Autotransformers
Capacitors
–Circuit breakers
–Converters (electrical)
Current transformers
Disconnecting switches
–Electrical insulators
Electrical shocking gear
–Electric generators
–Electric motors
Electric reactors
Electric relays
–Electric switches
Frequency stabilizers
Induction motors
Instrument transformers
Interrupters
Interrupter switches
Lightning arresters
Potential transformers
–Power transformers
Rectifiers
Suspension insulators
Switchgear
Thermostats
–Transformers
Voltage regulators
RT Bundled conductors
Bus (electrical)
Control systems
Electrical design
Electrical engineering
–Electrical faults
Electrical insulation
–Electric cables
–Electric conductors
Electricity
–Electric power failure
Electric wire
–Electronic equipment
Extra high voltage
Laboratory equipment
–Maintenance
–Motor generators
Obsolete equipment
Power operation & maintenance
Power system operations
–Recording systems
–Rotors
Stators
Substations (electrical)
Switchyards (electrical)
Ultra high voltage
Variable resistors
Voltmeters
Wattmeters
Windings (electrical)

Electrical faults 2003
UF Faults (electrical)
BT –Electric power failure
–Failure
NT Short circuits
RT Circuit protection
–Electrical equipment
Electrical grounding
Electrical insulation
Electrical restrikes
Electric arcs
Electric networks
–Electric power
Electric power distribution
Flashover
Lightning
Lightning arresters
–Protection (electrical)
Protective relaying
–Transmission (electrical)

Electrical grounding 0903 2003
UF Grounding (electrical)
RT Circuit protection
–Circuits
Earth resistivity (electrical)
–Electrical faults
Electric arcs
–Electric power failure
Extra high voltage
Ground mats
Ground return
Lightning
Lightning arresters
Overhead ground wire
–Protection (electrical)
–Transformers
–Transmission lines
Ultra high voltage

Electrical impedance 2003
UF Impedance (electrical)
BT –Electrical properties
RT Capacitance
Electrical conductance
Electrical resistance
Electrical resistivity
Inductance
Power factor
Reactance
–Resistivity
Superconductivity

Electrical industry 0903
BT –Industries
RT Electric power industry
Electric utilities

Electrical insulation 0901
UF Electric insulating compounds
BT –Insulation
RT Buried cables
Circuit protection
Coaxial cables

Electrical insulation (Con.)
–Conductivity
–Electrical equipment
–Electrical faults
Electrical insulation tests
–Electrical insulators
–Electrical properties
Electrical resistance
–Electric conductors
–~~Electric motors~~
–Electric switches
Electric wire
Electric wiring
Induction motors
Insulating oil
–Protection (electrical)
Suppression (electrical)
Suspension insulators
Transformer oils
Underground cables
Underground transmission lines
Withstand level (electric)

Electrical insulation tests 1402
BT –Tests
RT Electrical insulation
–Electrical insulators
–Electric conductors
Electric wire
Impulse tests (electrical)
Transformer oils
Withstand level (electric)

Electrical insulators 0901
BT –Electrical equipment
NT Suspension insulators
RT Electrical insulation
Electrical insulation tests
–Electric cables
Impulse tests (electrical)
–Insulation
Leakage current
–Protection (electrical)
Shock (physiology)
Substations (electrical)
Switchyards (electrical)
–Transmission (electrical)
–Transmission lines
Withstand level (electric)

Electrical logging 1403
BT –Electrical prospecting
–Logging (recording)
NT Electrical well logging
RT Electrical resistance
–Electric potential
Geophysical logging
–Geophysical prospecting
–Geophysics
Resistivity surveys
–Well logging

Electrical properties 2003
BT –Properties
NT Capacitance
Dielectric properties
Earth resistivity (electrical)
Electrical conductance
Electrical impedance
Electrical resistance
Electrical resistivity
Electrokinetic potential
Inductance
Piezoelectricity
Power factor
–Resistivity
Superconductivity
RT Alternating current
Capillarity
–Chemical properties
–Conductivity
Dielectrics
Direct current
Eddy currents
Electrical engineering
Electrical insulation
Electricity
–Electric power
Electrochemistry
Electrodialysis
Electrolysis
Electrophoresis
–Luminescence
–Magnetic properties
–Physical control
–Physical properties
–Physics
Potentiometers
Solid state physics
–Thermal properties
Thermistors

Electrical prospecting 0807
BT –Exploration
–Geophysical prospecting
NT –Electrical logging
Electrical well logging
RT Electrical resistivity
–Electric potential
–Geophysics
Ground currents
Resistivity surveys

Electrical resistance 2003
BT –Electrical properties
–Resistance
RT Electrical conductance
Electrical impedance
Electrical insulation
–Electrical logging
Electrical resistivity
Electrical well logging
Power factor
Reactance
Resistance networks
–Resistivity
Superconductivity
Thermistors

Electrical resistivity 2003
BT –Conductivity
–Electrical properties
–Physical properties
RT Borehole geophysics
Electrical impedance
–Electrical prospecting
Electrical resistance
Electrical well logging
–Electrodes
–Geophysics
Reactance
Resistivity surveys
Rock properties
Soil investigations
Soil resistivity
Thermistors

Electrical restrikes 0901
RT –Circuit breakers
–Electrical faults
Switching surges

Electrical shocking gear 0903
BT –Electrical equipment
–Equipment
RT Commercial fishing
–Electric current
Electro-fishing
Fences
Fish barriers
Fish guiding
Fish handling facilities
Fishing gear
Fish ladders
Fishways
Marking techniques
Shock (physiology)

Electrical stability 2003
BT –Stability
RT Electricity
Electric networks
–Electric power failure
Extra long distance
Frequency stabilizers
Power system operations
Power system stability
Switching surges
System stability (electric)
Transients

Electrical studies 0903
RT –Conductivity
Earth resistivity (electrical)
Electricity
Electrochemistry
–Geophysics
Power system stability
–Resistivity
System stability (electric)

Electrical substations
USE Substations (electrical)

Electrical switchyards
USE Switchyards (electrical)

Electrical well logging 1402
BT –Electrical logging
–Electrical prospecting
–Logging (recording)
–Well logging
RT Boreholes
Drill holes
Earth resistivity (electrical)
Electrical resistance
Electrical resistivity
–Electrodes
Geophysical logging
–Geophysical prospecting
–Geophysics
–Resistivity
Resistivity surveys
Subsurface investigations
–Wells

Electric analogs 1407
UF Analogy (electric)
Electric analogy
BT –Analogs
RT Analog computers
Analog to digital converters
Digital systems
Electricity
–Models
Simulation

Electric analogy
USE Electric analogs

Electric arcs 2003
UF Arcs (electric)
Arc voltages
BT –Electric current
–Electric discharges
RT Air gaps
Arc welding
–Electrical faults
Electrical grounding
Electric coronas
Electroslag welding
–Failure
Flashover
Lightning
Lightning arresters
Magnetohydrodynamics
Short circuits
Spark gaps
Sparks

Electric batteries 1003
UF Batteries (storage)
Electrochemical cells
Storage batteries
RT –Cells
Direct current
–Electric generators
Electrolytic cells
Power supplies

Electric bridges 1402
UF Bridges (electric)
BT –Equipment
–Instrumentation
–Measuring instruments
NT Wheatstone bridge
RT Capacitors
Salt velocity method

Electric cables 0901 1
UF Cables (electric)
NT Buried cables
Coaxial cables
Power cables
Underground cables
RT Bundled conductors
Bus (electrical)
–Circuits
–Electrical equipment
–Electrical insulators
–Electric conductors
–Electric current
Electric wire
Electric wiring
Oil-filled cables
–Protection (electrical)
Sagging
Stranded conductors
Submarine cables
Substations (electrical)
Switchyards (electrical)
–Transmission (electrical)
–Transmission lines
–Wire
Wood-pole transmission lines

Electric circuits
USE Circuits

Electric conductors 0901
UF Conductors
NT Electrolytes
Superconductors
RT Aeolian vibration
Bundled conductors
Buried cables
Bus (electrical)
Carrier-current
Circuit testers
Coaxial cables
Dielectrics
Eddy currents
Electrical conductance
–Electrical equipment
Electrical insulation
Electrical insulation tests
–Electric cables
Electric corona losses
Electric coronas
–Electric current
–Electric power
Electric terminals
Electric wire
Electric wiring
Galloping conductors
Power cables
Powerline carriers
–Resistors
–Semiconductors
Shunt resistors
Stranded conductors
Stringing
Submarine cables
–Transmission (electrical)
–Transmission lines
Underground cables
Underground transmission lines
Wood-pole transmission lines

Electric converters
USE Converters (electrical)

Electric corona losses 0901 1
BT –Losses
RT –Electric conductors
–Electric current
Electric power losses
Extra high voltage
–Transmission (electrical)

Electric coronas 2003
UF Coronas (electric)
BT –Electric current
–Electric discharges
RT Electric arcs
–Electric conductors
Electrohydrodynamics
Extra high voltage
Ionization
Static electricity

Electric current 2003
UF Currents (electric)
NT Alternating current
Corrosion currents
Direct current
Eddy currents
Electric arcs
Electric coronas
–Electric discharges
Flashover
Ground currents
Induced currents
Leakage current
Lightning
RT Ammeters
Buried cables
–Circuits
Circuit testers
–Converters (electrical)
Current density
Electrical shocking gear
–Electric cables
–Electric conductors
Electric corona losses
Electric fields
Electricity
–Electric potential
–Electric power
Electric shunts
Galvanometers
Ground mats
Integrated circuits
Interrupting capacity
Network analysis
Overloads
Photoelectricity
Powerline carriers

Electric current (Con.)
Shock (physiology)
–Transmission lines
Underground cables
Underground transmission lines
Waveforms
Wood-pole transmission lines

Electric discharges 2003
UF Discharge (electric)
BT –Electric current
NT Electric arcs
Electric coronas
Flashover
Lightning
RT Ionization
Leakage current
Spark gaps
Static electricity

Electric fields 2003
RT –Electric current
–Electric potential
Electrokinetic potential
Electrostatics
Magnetic fields
Polarity
Static electricity

Electric fuses 0901
UF Fuses (electric)
RT Circuit protection
Overloads
–Protection (electrical)

Electric generators 1002
BT –Electrical equipment
–Generators
–Rotating machines
NT Dynamometers
Magnetos
–Motor generators
Turbogenerators
RT Commutators
–Converters (electrical)
Electrical design
Electrical engineering
Electric batteries
–Electric motors
–Electric power
–Electric power production
Excitation
Exciters
Frequency stabilizers
Generating capacity
Generator-motors
–Hydraulic turbines
Hydroelectric power
Hydroelectric powerplants
Impulse turbines
Induction motors
Installed capacity
–Inverters
Load-frequency control
Load rejection
Peaking capacities
Peak loads (electric)
Peak power
Piezoelectricity
Potential hydropower
Power supplies
Power system stability
Protective relaying
Rotating components
–Rotors
Slip rings
Spinning reserve
Stators
Synchronous machines
Thrust bearings
Water cooling
Windings (electrical)

Electric insulating compounds
USE Electrical insulation

Electricity 2003
Use of a more specific term is recommended
BT –Physics
RT Electrical engineering
–Electrical equipment
–Electrical properties
Electrical stability
Electrical studies
Electric analogs
–Electric current
–Electric power
–Electric powerplants
–Electric power production
Electrochemistry
–Electrodes
Electrodialysis
Electrolysis
Electrolytes
Electronics
–Energy
Nuclear energy
Piezoelectricity
Transmission towers
–Utilities

Electricity (thermal)
USE Thermoelectricity

Electric motors 0903
BT –Electrical equipment
–Motors
–Rotating machines
NT Induction motors
RT Commutators
Electrical design
Electrical engineering
Electrical insulation
–Electric generators
Generator-motors
–Inverters
–Motor generators
–Power transformers
Power transmission (mechanical)
Protective relaying
–Rotors
Slip rings
Stators
Synchronous machines
Windings (electrical)

Electric networks 0903
BT –Networks
RT Electrical engineering
–Electrical faults
Electrical stability
–Electric power failure
Extra high voltage
Extra long distance
–Interconnected systems
Peaking capacities
Peak loads (electric)
Peak power
Powerline carriers
Power system operations
Standby power
Substations (electrical)
Supervisory control (power)
Switchyards (electrical)
System stability (electric)
–Transmission (electrical)
–Transmission lines
–Utilities

Electric potential 2003
UF Voltage
NT Extra high voltage
High voltage
Ultra high voltage
RT Buried cables
–Electrical logging
–Electrical prospecting
–Electric current
Electric fields
Electrokinetic potential
Induced voltage
Interrupting capacity
Network analysis
Overvoltage
Photoelectricity
Potentiometers
Static electricity
Underground cables
Underground transmission lines
Voltmeters
Waveforms

Electric power 0903
BT –Power
NT Hydroelectric power
Peak power
Standby power
RT Alternating current
Base loads
–Converters (electrical)
Diesel engines
Direct current
–Electrical faults
–Electrical properties
–Electric conductors
–Electric current
–Electric generators
Electricity
Electric power demand
Electric power distribution
–Electric power failure
Electric power industry
–Electric powerplants
–Electric power production
Electric utilities
Extra high voltage
Extra long distance
Firm energy
Generating capacity
Generator-motors
–Generators
Geothermal powerplants
Hydroelectric powerplants
Hydroelectric project licensing
Hydroelectric resources
Line switching
Load centers
Load-frequency control
Oil-filled cables
Overloads
Power dispatching
Power grids
Power interchange
Power loads
Power marketing
Power pooling
–Public utilities
Public utility districts
Pumped storage
–Reservoir operation
–Reservoirs
Reservoir surveys
Rural electrification
Steam
Steam turbines
Substations (electrical)
Supervisory control (power)
Switchyards (electrical)
Terminal facilities (electrical)
Thermal power
Tidal energy
–Transmission (electrical)
Tuned transmission
–Turbines
Ultra high voltage
Underground powerplants
–Utilities
–Water policy
Wattmeters

Electric power costs 1401
BT –Costs
RT Administrative costs
Annual costs
Capital costs
Comparative costs
Contingency costs
–Cost analysis
Deferred costs
Direct costs
Electric power demand
–Electric power production
Electric power rates
Estimated costs
Fixed costs
Indirect costs
Initial costs
Installation costs
Joint costs
Maintenance costs
Operating costs
Overhead costs
Peak loads (electric)
Peak power
Power marketing
Power system operations
Reimbursable costs
Repayment contracts
Replacement costs
Separable costs
Total costs
Wattmeters

Electric power demand 2003
BT –Demand
RT –Electric power
Electric power costs
–Electric power production
Electric power rates
Electric power surveys
Firm energy
Load centers
Load-frequency control
Peaking capacities
Peak loads (electric)
Peak power
Power dispatching
Power loads
Power marketing
Power system operations
–Requirements
Spinning reserve
Standby power
Supervisory control (power)
Wattmeters

Electric power distribution 0903
RT –Circuits
–Electrical faults
–Electric power
Electric utilities
Mobile substations
Power grids
Power interchange
–Protection (electrical)
Rural electrification
Substations (electrical)
–Transmission (electrical)
–Transmission lines
Transmission loss
Voltage regulation

Electric power failure 0903
UF Failure (power)
Outage (power)
Power failure
BT –Failure
NT –Electrical faults
Short circuits
RT –Electrical equipment
Electrical grounding
Electrical stability
Electric networks
–Electric power
–Electric power production
Flashover
Power system operations
–Transmission (electrical)

Electric power generation
USE Electric power production

Electric power industry 0903
BT –Industries
RT Electrical industry
–Electric power
–Electric powerplants
Electric utilities
Hydroelectric powerplants
–Nuclear powerplants
Power marketing
Thermal powerplants
Tidal powerplants
–Utilities

Electric power losses 0903
BT –Losses
RT Attenuation
Electric corona losses
Power dispatching
Power loads
Transmission loss
Wattmeters

Electric powerplants 1002.1
UF Electric power stations
BT –Industrial plants
–Powerplants
NT Dual-purpose nuclear plants
Hydroelectric powerplants
–Nuclear powerplants
Thermal powerplants
Tidal powerplants
RT Boilers
–Buildings
Electrical design
Electrical engineering
Electricity
–Electric power
Electric power industry
–Electric power production
Electric utilities
–Facilities
–Generators
Nuclear reactors
Peaking capacities
–Pumping
–Rejection
Switchyards (electrical)
Tidal energy
Turbine blades
Turbine runners
–Turbines
Underground powerplants

Electric power production 1001
UF Electric power generation
NT Thermal power
RT Dual-purpose nuclear plants
–Efficiencies
–Electric generators
Electricity
–Electric power
Electric power costs
Electric power demand
–Electric power failure
–Electric powerplants
Electric power rates
Electric power surveys
Electric utilities
Firm energy
Generating capacity
Generator-motors
Geothermal powerplants
Hydroelectric powerplants
Hydroelectric resources
Impulse turbines
–Nuclear powerplants
Peaking capacities
Peak loads (electric)
Peak power
Plant efficiencies
Potential hydropower
–Power
Power dispatching
Power loads
Power marketing
Power operation & maintenance
Spinning reserve
Standby power
Supervisory control (power)
Thermal powerplants
Tidal powerplants
–Transmission (electrical)
Voltage regulators
Water wheels

Electric power rates 0503 1401
BT –Rates
RT –Costs
Electric power costs
Electric power demand
–Electric power production
Electric utilities
Peak loads (electric)
Peak power
Power marketing
Standby power

Electric power stations
USE Electric powerplants

Electric power surveys 0903
RT Electric power demand
–Electric power production
Project planning

Electric power transmissions
USE Transmission (electrical)

Electric reactors 1002
UF Reactors (electric)
BT –Electrical equipment
RT Capacitors
–Power transformers
–Protection (electrical)
–Resistors
–Transformers
–Voltage dividers

Electric rectifiers
USE Rectifiers

Electric relays 0901
BT –Control equipment
–Electrical equipment
–Electric switches
RT Carrier-current
–Circuit breakers
Interrupters
Interrupter switches
Load rejection
–Protection (electrical)
Protective relaying
Supervisory control (power)
Switching
Switching circuits

Electric resistors
USE Resistors

Electric shunts 0901
UF Shunts (electric)
RT Bypasses
–Circuits
–Electric current

Electric switches 0901
BT –Control equipment
–Electrical equipment
NT Airblast circuit breakers
Air switches
–Circuit breakers
Disconnecting switches
Electric relays
Interrupters
Interrupter switches
Thermostats
RT Electrical insulation
Mobile substations
Process control
Substations (electrical)
Switchgear
Switching
Switching circuits
Switchyards (electrical)
Transistors
–Transmission (electrical)
Voltage regulation
Voltage regulators

Electric terminals 0901
RT Connectors (electrical)
–Electric conductors
Electric wire
Electric wiring
Panels

Electric utilities 1302
BT –Public utilities
–Utilities
RT Electrical industry
–Electric power
Electric power distribution
Electric power industry
–Electric powerplants
–Electric power production
Electric power rates
–Power
–Rates

Electric wire 0901
BT –Equipment
–Wire
RT –Building materials
Bundled conductors
Bus (electrical)
Coaxial cables
–Electrical equipment
Electrical insulation
Electrical insulation tests
–Electric cables
–Electric conductors
Electric terminals
Electric wiring
Overhead ground wire
Stranded conductors
–Transmission lines
Windings (electrical)
Wood-pole transmission lines

Electric wiring 0903
RT Building codes
–Circuits
–Control
Electrical insulation
–Electric cables
–Electric conductors
Electric terminals
Electric wire
Lighting

Electrochemical cells
USE Electric batteries

Electrochemistry 0704
BT –Chemistry
–Sciences
RT Anodes
Cathodes
Cathodic protection
–Chemical properties
–Corrosion
–Desalination
Dielectrics
–Electrical properties
Electrical studies
Electricity
–Electrodes
Electrodialysis
Electrokinetic potential
Electrolysis
Electrolytes
Electrolytic cells
Electrostatics
Physical chemistry
Physicochemical properties
Polarization
–Water purification

Electrodes 0901
NT Anodes
Cathodes
RT Desalination apparatus
Electrical resistivity
Electrical well logging
Electricity
Electrochemistry
Electrodialysis
Electrolysis
Electrolytes
Electrophoresis
Filaments
Polarization
Resistivity surveys
Salt velocity method
Transistors
Welding torches

Electrodialysis 0704
BT –Dialysis
–Membrane processes
–Separation techniques
RT –Desalination
Desalination processes
Dielectrics
–Electrical properties
Electricity
Electrochemistry
–Electrodes
Electrolysis
Electroosmosis
Electrophoresis
–Ion transport
Liquid wastes
Nuclear desalting
Permselective membranes
Tertiary treatment

Electro-fishing 0511
BT –Fishing
RT Electrical shocking gear
Fishing gear

Electrohydrodynamics 2009
RT Electric coronas

Electrokinetic potential 2003
UF Zeta potential
BT –Chemical properties
–Electrical properties
–Properties
RT Coagulation
Electric fields
–Electric potential
Electrochemistry
Electroosmosis
Electrophoresis
Flocculation
–Power transformers
–Water treatment

Electrokinetics 2003
RT Dielectrics
Magnetic fields

Electrolysis 0704
RT Anodes
Cathodes
–Corrosion
Current density
–Decomposition
–Electrical properties
Electricity
Electrochemistry
–Electrodes
Electrodialysis
Electrolytes
–Ion transport
Oxidation
Polarization
–Processing
Reduction (chemical)

Electrolytes 0704
BT –Electric conductors
RT Aqueous solutions
Boiler feed water
–Conductivity
–Diffusion
Electricity
Electrochemistry
–Electrodes
Electrolysis
Electrolytic cells
–Ions
Saline water systems
Thermogalvanic cells
Water properties

Electrolytic cells 0704
UF Dry cells
RT Diaphragms (mechanics)
Electric batteries
Electrochemistry
Electrolytes

Electrolytic corrosion
USE Stray current corrosion

Electromagnetic coils
USE Electromagnets

Electromagnetic cores
USE Electromagnets

Electromagnetic properties 2003
NT Color
Reflectivity
RT Interference analyzers
Magnetohydrodynamics

Electromagnetic pulses 2014
RT Electromagnetism
–Radar
Radio interference

Electromagnetic shielding 1806
BT –Shielding
RT Radiation shielding

Electromagnetic wave filters 0901
UF Filters (electromagnetic)
BT –Filters
RT –Deflectors
Infrared radiation
Ultraviolet radiation

Electromagnetic waves 2014
BT –Periodic variations
–Radiation
–Transport phenomena
–Waves
NT Ambient light
Bottom-reflected light
Gamma rays
Infrared radiation
–Light
Microwaves
–Radio waves
Ultraviolet radiation
X-rays
RT Antennas
Electromagnetism
Emissivity
–Energy
–Frequency
–Luminescence
Polarization
Radar reflections
Radio interference
Reflection
Remote sensing
Solar radiation
Wavelength

Electromagnetism 2003
RT Electromagnetic pulses
–Electromagnetic waves
Electromagnets
Magnetic fields

Electromagnets 2003
UF Coils (electromagnetic)
Coils (magnetic)
Cores (electromagnetic)
Cores (magnetic)
Electromagnetic coils
Electromagnetic cores
Magnetic coils
Magnetic cores
BT –Magnets
RT Coils
Electromagnetism

Electron beams 2008
UF Beams (electron)
RT Beta particles
Electron tubes

Electronic data processing
USE Data processing

Electronic equipment 0903
UF Electronic instruments
Instruments (electronic)
BT –Equipment
NT Analog computers
–Computers
Digital computers
Hybrid computers
Oscillators
Oscillographs
Oscilloscopes
RT Amplifiers
Automatic control
Control systems
–Data processing
–Electrical equipment
Electronics
Exciters
–Flow control
Frequency analyzers
–Instrumentation
Interference analyzers
Laboratory equipment
Meteorological radar
Neutron counters
Phase control
Radar equipment
–Recording systems
Remote control
Remote sensing
Repeaters (communications)
Telemetry
Tellurometers
Variable resistors

Electronic instruments
USE Electronic equipment

Electronics 0903
RT Electrical engineering
Electricity
–Electronic equipment
Integrated circuits
Remote control
–Semiconductors
Transistors

Electron microscopes
USE Electron microscopy

Electron microscopy 1402
UF Electron microscopes
Microscopes (electron)
Microscopy (electron)
BT –Analytical techniques
–Microscopy
RT Microscopes

Electrons 2003 2008
RT Anodes
Atoms
Beta particles
Cosmic rays
Protons

Electron tubes 0901
UF Cathode tubes
RT –Circuits
Diodes
Electron beams
Filaments
Rectifiers

Electroosmosis 0704
BT –Diffusion
–Membrane processes
–Osmosis
–Separation techniques
RT Anodes
Cathodes
Dewatering
Drainage systems
Electrodialysis
Electrokinetic potential
Electrophoresis
Osmotic pressure
Soil stabilization
–Subsurface drainage

Electrophoresis 0704
BT –Separation techniques
RT –Analytical techniques
–Chemical analysis
–Chemical properties
–Colloids
–Electrical properties
–Electrodes
Electrodialysis
Electrokinetic potential
Electroosmosis

Electroslag welding 1308
BT –Welding
RT Electric arcs

Electrostatic precipitation 1308
RT Air pollution control
Dust control
Electrostatics
Precipitation (chemistry)

Electrostatics 2003
RT Dielectrics
Electric fields
Electrochemistry
Electrostatic precipitation
Static electricity

Elements (chemical)
USE Chemical elements

Elements (trace)
USE Trace elements

Elevation 0806
RT Altimeters
Altitude
Atmospheric pressure
Bench marks
Contours
Depth
Distance
–Head (fluid mechanics)
Height
Hydrostatics
Hypsometric analysis
Position finding
Sea level
Sextants
Topography

Elevators 1313.4
(excludes grain elevators)
RT –Buildings
Conveyances
–Conveyors
–Hoisting machinery
Locks (waterways)

Elongation 1407
BT –Mechanical properties
RT –Deformation
Ductility
–Expansion
Poisson ratio
–Tensile properties

Eluvium 0807
RT –Aeolian soils
Dunes
Dune sands
Dust storms
Freeze-thaw cycle
Loess
Soil conservation
–Soil types
Weathering
Wind erosion

Embankment dams
USE Earth dams

Embankments 1302 1313
BT –Earthworks
NT Canal embankments
Dikes
–Earth dams
Levees
Roadbanks
Zoned embankments
RT Banks
Berms
–Borrow areas
Borrow materials
Borrow pits
Burrowing animals
Cofferdams
Compacted soils
Dam construction
Dam design
Diversion dams
–Earthfill
–Earth handling equipment
–Earth materials
Earthmoving
Embankment subsidence
–Fills
Grading (earthwork)
–Highways
Hydraulic fill dams
Hydraulic fills
Irrigation ditches
Overhaul
Phreatic lines
Railroads
–Retaining walls
Revetments
Riprap
–Roads
Rockfill dams
–Rocks
Rolled fills
Self-spillway dams
Slope angles
Slope protection
–Slopes
–Slope stability
Slope stabilization
–Soils
–Stability analysis
–Structural design
Tamping rollers
Test fills

Embankment subsidence 0813
BT –Subsidence
RT Camber
Compressible soils
–Consolidation
Dam design
Dam failure
–Deformation
–Embankments
Land subsidence
Loose soils
Piping (erosion)
–Seepage
–Settlement (structural)

Embayments
USE Bays (topographic features)

Embedded instruments 1303 1402
RT –Concrete dams
Concrete tests
–Instrumentation
–Temperature sensors

Embedded materials 1303
RT Anchor bolts
–Anchors
–Concrete dams
–Instrumentation
–Reinforcement

Embedded metal 1303
BT –Metalwork
RT Anchor bolts
–Anchors
–Concrete dams
–Instrumentation
–Reinforcement
Tunnel supports

Embrittleness
USE Brittleness

Embryonic growth stage 0603.2
BT –Growth stages
RT –Eggs

Emergency closures 1313.1
BT –Closures
RT Check valves
Control structures
Emergency gates
Floodgates
–Outlet works
Stop logs

Emergency gates 1313.7
BT –Gates
–Hydraulic gates
RT Coaster gates
Emergency closures
Roller gates
Slide gates

Emerging vegetation stage 0606
BT –Ecosystems
–Lake stages
–Succession

Emigration
USE Migration

Eminent domain 0504.1
RT Condemnation
Land acquisition
Land appraisal
–Legal aspects
Litigation
Right-of-way

Emission spectra
USE Emissivity

Emissivity 1407
UF Emission spectra
BT –Surface properties
–Thermodynamics
RT –Electromagnetic waves
–Luminescence
–Optical measurement
–Optical properties
–Radiation
–Temperature
–Thermal properties

Emperor goose 0603.2
UF Philacte canagica
BT –Animals
–Aquatic life
–Birds
–Geese (wild)
–Migratory birds
–Waterfowl
–Wildlife

Empetrichthys species
USE Killifishes

Employee relations 0501 0509
UF Labor relations
RT Construction management
–Employment
Fringe benefits
Incentives
Labor
–Management
Manpower
Morale
–Personnel
Psychological aspects
Public relations
–Recreation facilities
–Safety
Social values
Supervision
–Training
Wages

Employees
USE Personnel

Employment 0509
NT Full employment
Under-employment
Unemployment
RT Diversification
Economic impact
–Economics
Employee relations
Employment opportunities
–Engineering personnel
Industrial relations
Labor
Labor mobility
Labor unions
Manpower
Occupations
–Personnel
Personnel management
–Professional personnel
Salaries
Scientific personnel
Social impact
Specialization
Trade associations
Wages
Working conditions

Employment opportunities 0503
UF Job possibilities
RT Area redevelopment
–Economics
–Employment
Full employment
Labor supply
Manpower
Multiple purpose projects
–Social aspects

Employment opportunities (Con.)
Students
–Training
Under-employment

Emulsifiers 0701
BT –Chemicals
RT –Dispersants
Emulsifying agents
–Emulsions
–Mixers

Emulsifying agents 1107
RT –Additives
–Chemicals
–Dispersants
Emulsifiers
–Emulsions
–Surfactants

Emulsions 0704
NT –Asphalt emulsions
Cationic asphalt emulsons
RT –Colloids
Dispersion
Emulsifiers
Emulsifying agents
Mixing
–Mixtures
Suspension

Enamels 1103
BT –Building materials
–Coatings
–Construction materials
–Finishes
–Paints
RT Lacquers
Primers (coatings)
–Protective coatings
Varnishes

Encasement 1303
RT –Coatings
Pipe bends
–Pipelines
–Pipes
Sheathing
–Wells

Encroachment 0808.1
UF Saline water encroachment
BT –Saline water intrusion
RT Estuaries
–Saline water
Saline water-freshwater interfaces

Endrin 0606
BT –Chemicals
–Chlorinated hydrocarbon pesticides
–Halogenated pesticides
–Insecticides
–Organic compounds
–Organic pesticides
–Pesticides

Endurance tests
USE Fatigue tests

Energy 1407
NT Activation energy
Firm energy
Free energy
–Heat
Heat of hydration
Kinetic energy
Latent heat
Nuclear energy
Potential energy
Strain energy
Thermal energy
Tidal energy
Waste heat
Wave energy
RT Chemical potential
Electricity
–Electromagnetic waves
Energy absorption
Energy balance
–Energy budget
Energy conversion
–Energy dissipation
Energy losses
–Energy transfer
Enthalpy
Entropy
–Kinetics
–Light
Magnitude
Nutrient requirements
–Physics
–Power
–Radiation
Solar radiation
–Thermodynamics
Velocity head
–Waves
–Waves (water)
Work

Energy absorbers
USE Energy absorption

Energy absorption 1407
UF Energy absorbers
BT –Absorption
RT Attenuation
–Damping
–Energy
Energy conversion
–Energy dissipation
Energy losses
–Energy transfer
–Insulation

Energy balance 1407
UF Balance (energy)
RT Air-earth interfaces
Balance of nature
–Energy
–Energy budget
Energy conversion
–Energy dissipation
–Energy transfer
–Evaporation
–Evapotranspiration
–Heat
Heat balance
Heat budget
Heat flow
Heat transfer
Potential evaporation
–Temperature
–Thermodynamics

Energy budget 1407
UF Bio-energetics
BT –Budgets
NT Heat budget
RT Balance of nature
Cloud cover
–Cycles
Cycling nutrients
–Energy
Energy balance
Energy conversion
–Energy dissipation
–Energy transfer
Entropy
–Evaporation
–Evapotranspiration
Food chains
Hydrologic cycle
Primary productivity
Transpiration

Energy conversion 0704
BT –Conversion
RT Biochemistry
Bioluminescence
–Energy
Energy absorption
Energy balance
–Energy budget
–Energy dissipation
Energy losses
–Energy transfer
Entropy
Photosynthesis
Piezoelectricity
Plant physiology

Energy dissipation 2011
UF Dissipation (energy)
NT Energy losses
RT Baffle piers
Chute blocks
Dentated sills
–Diffusion
Dispersion
–Energy
Energy absorption
Energy balance
–Energy budget
Energy conversion
Energy dissipators
Energy equation
Energy gradient
–Energy transfer
Flip buckets
–Gradients
Head losses
–Losses
Obstruction to flow
Plunge basins
Shaft spillways
Side channel spillways
Ski-jump spillways
Stilling basins

Energy dissipators 1313.1
UF Dissipators (energy)
RT Baffles
Buckets
Dentated sills
Drops (structures)
–Energy dissipation
Flip buckets
Hydraulic jump
Jet diffusion

Energy equation 2004
UF Bernoulli equation
BT –Equations
RT –Energy dissipation
Energy gradient
–Flow
–Gradients
–Hydraulics
Momentum equation
Pressure head
–Velocity
Velocity head

Energy gradient 2004
BT –Gradients
RT Backwater profiles
Critical depth
Critical velocity
Depth
–Energy dissipation
Energy equation
Head losses
–Losses
–Slopes
–Velocity
Velocity head

Energy losses 1407
BT –Energy dissipation
–Losses
RT –Efficiencies
–Energy
Energy absorption
Energy conversion
–Energy transfer
Flow resistance
–Friction
Friction coefficient (hydraulic)
–Gradients
Head losses
–Resistance
–Resistance coefficients
Velocity head

Energy transfer 2011
BT –Transfer
–Transport phenomena
NT Heat transfer
RT Boundary processes
Convection
–Diffusion
Dispersion
–Energy
Energy absorption
Energy balance
–Energy budget
Energy conversion
–Energy dissipation
Energy losses
Entropy
Kinetic energy
Momentum transfer
Potential energy
–Radiation
Thermodynamic behavior
–Thermodynamics
Wave propagation
–Waves

Engineering 1407
Use of a more specific term is recommended
UF Engineers
BT –Sciences
NT Agricultural engineering
Chemical engineering
–Civil engineering
Coastal engineering
Consulting engineers
Drainage engineering
Earthquake engineering
Electrical engineering
–Environmental engineering
Highway engineering
Hydraulic engineering
Industrial engineering
Irrigation engineering
Management engineering
Marine engineering
Materials engineering
Mechanical engineering
Mining engineering
Nuclear engineering
Sanitary engineering
Soil engineering
Space engineering
Structural engineering
Value engineering
RT Applied research
–Concrete technology
–Design
Engineering costs
Engineering education
–Engineering personnel
Engineering services
Occupations
Technology
Work

Engineering (systems)
USE Systems engineering

Engineering contracts
USE Contracts

Engineering costs 1401
BT –Costs
RT Administrative costs
Construction management
–Cost allocation
–Cost analysis
Cost trends
Direct costs
Economic efficiency
–Economics
–Engineering
Expenditures
Financial analysis
Financing
–Income
Indirect costs
–Insurance
Interest (finance)
Operating costs
–Payment
–Prices
–Profit
Real costs
Salaries
–Taxes
Total costs
Unit costs
Value engineering
Wages

Engineering economy 0503
RT Benefit-cost analysis
Benefit-cost ratios
Benefit-cost theory
–Benefits
Construction costs
–Cost analysis
Depreciation
Economic feasibility
Estimated costs
Financing
Interest (finance)
Value engineering

Engineering education 0509
BT –Education
RT Colleges
–Engineering
–Schools (education)
–Training
Universities

Engineering evaluation 1407
BT –Evaluation
RT Construction management
–Feasibility
Feasibility studies
Project feasibility

Engineering geology 0807
UF Geological engineering
BT –Geology
RT –Civil engineering
Dam foundations
Damsites
Earthquake engineering
–Earthquakes
Foundation investigations
–Geologic investigations
–Geophysical prospecting
–Geophysics
Groundwater geology
–Hydrogeology
Marine geology
Rock mechanics
Rockslides
Stratigraphy
–Water tunnels (conveyance)

Engineering mechanics 2011
BT –Mechanics
–Physics
NT –Fluid dynamics
–Fluid mechanics
–Hydraulics
RT –Dynamics
Elastic theory
–Hydraulics
–Hydrodynamics
Hydrostatics
–Kinetics
–Loads (forces)
Plastic theory
–Statics
Structural engineering

Engineering obsolescence 1407
BT –Obsolescence
RT Age
Amortization
Depreciation
Deterioration
Economic life
Project life
Rehabilitation
–Value

Engineering personnel 0509
BT –Personnel
–Professional personnel
–Technologists
NT Consulting engineers
RT Construction management
Designers
–Employment
–Engineering
Engineering services
Labor
–Management
Manpower
Scientific personnel
Technical societies
–Training

Engineering services 1407
RT –Construction
Consulting engineers
–Design
Drawings
–Engineering
–Engineering personnel
Foreign activities

Engineering societies
USE Technical societies

Engineering specifications
USE Specifications

Engineering structures 1313.5
Use of a more specific term is recommended
BT –Structures
NT Anchored bulkheads
Arch bridges
–Arch dams
Bailey bridges
Bascule bridges
Biotrons
Blowoff structures
–Bridges (structures)
–Buildings
–Bulkheads
Buttress dams
Caissons
Canneries
Check dams
–Check structures
–Coastal structures
–Concrete dams
–Concrete piles
–Concrete structures
Concrete tanks
Control structures
Cooling towers
Crib walls
–Debris barriers
Double-curvature arch dams
Flip buckets
–Flumes
Garages
Headworks
Highway bridges
–Hydraulic structures
–Intakes
–Intake structures
Intake towers
Levees
Locks (waterways)
Multiple arch dams
Offshore platforms
Plunge basins
Powerhouses
Railroad bridges
Residences
–Retaining walls
Sea walls
Side channel spillways
Sloping intake structures
Sluices
Steel structures
Suspension bridges
Thin arch dams
–Trestles
Truss bridges
Underground powerplants
Warehouses
Wasteways
–Water tunnels (conveyance)
Wooden bridges
Wooden trestles
RT –Beams (structural)
Boat-launching ramps
Chutes
Cisterns
–Civil engineering
–Closed conduits
Concrete-lined canals
Concrete pipes
–Construction
–Construction materials
Culverts
–Design
Draft tubes
Erection
Fish barriers
Fish passages
Floodways
Friction piles
Harbors
Irrigation engineering
–Laterals
Mesh reinforcement
Metal pipes
Overfalls
Pressure conduits
Prestressed concrete
Railroads
Rehabilitation
–Reinforced concrete
–Reinforcement
Repairing
Riprap
–Steel
Stirrups
–Structural analysis
Structural concrete
Structural engineering
–Structural members
Structural steel

Engineers
USE Engineering

Engineers (chemical)
USE Chemical engineering

Engineers (civil)
USE Civil engineering

Engineers (coastal)
USE Coastal engineering

Engineers (electrical)
USE Electrical engineering

Engineers (hydraulic)
USE Hydraulic engineering

Engineers (industrial)
USE Industrial engineering

Engineers (marine)
USE Marine engineering

Engineers (mechanical)
USE Mechanical engineering

Engineers (mining)
USE Mining engineering

Engineers (sanitary)
USE Sanitary engineering

Engineers (structural)
USE Structural engineering

Engineers estimates 1401
RT Bids
–Contract administration
–Contracts
–Cost analysis
–Costs
Equipment costs
Estimated costs
Estimating
Labor costs
Project planning
Supply contracts
Unit costs

Engines (diesel)
USE Diesel engines

Engines (internal combustion)
USE Internal combustion engines

Enteric bacteria 0613
BT –Bacteria
–Microorganisms
–Plants (botany)
NT Salmonella
RT –Aquatic microorganisms
–Coliforms
E. coli
–Human diseases
Lactobacillus
Pathogenic bacteria

Enthalpy 2013
RT Adiabatic
–Energy
Entropy
–Heat
Physicochemical properties
Specific heat
Steam tables
–Thermal properties
–Thermodynamics

Entomology 0603.2
RT Acaricides
–Annelids
–Ecology
Insect behavior
Insect control
–Insecticides
–Insects
Mites
Nematodes
–Pest control
Public health

Entrainment 1308
NT Air entrainment
RT Aeration
Dispersion
Injection
Mixing

Entrance channels 1313.1
BT –Channels
–Hydraulic structures
RT Approach channels
–Debris barriers
Freeboard
Intake channels
Intake transitions
Open channel flow
Spillway approach
Training walls

Entrances (fluid flow) 1313.1
NT Bellmouths
RT Fish ladders
Flow patterns
Head losses
Headworks
–Hydraulic machinery
–Hydraulic models
–Hydraulic structures
Ice prevention
Penstocks
Pumping plants
Rectangular conduits
Sediment control
Spillway approach
–Transitions (structures)
–Tunnels
Ventilation
Vortices

Entrapped air 1407
BT –Air
–Gases
RT Air bubbles
Air entrainment
Air traps
Air void ratio
Air-water interfaces
–Concretes
–Pipelines
Vents
Vortices

Entropy 2013
RT Adiabatic
–Energy
–Energy budget
Energy conversion
–Energy transfer
Enthalpy
–Heat
Physicochemical properties
Steam tables
–Thermal properties
Thermodynamic behavior
–Thermodynamics

Envelopes 1407
NT Mohr envelope
RT Boundary values
–Containers
Curved profiles
Curve fitting
–Curves
–Geometric shapes
Geometry
–Mathematics
Mohr circle
Spirals

Environmental effects 0606
BT –Effects
NT Highway effects
Vegetation effects
Winterkilling
RT Acclimatization
Aestivation
Allogenic succession
–Animal behavior
Animal pathology
–Animal physiology
Balance of nature
–Biology
Climatic changes
Cloud cover
Cold resistance
Disease resistance
–Diseases
Drought resistance
–Ecology
Edge effect
Environmental gradient
–Environmental tests
–Environments
Epiphytology
–Evaporation
–Evapotranspiration
Exposure
Fertilization
Fish establishment
Fish management
Fish physiology
Forage palatability
Geomorphology
Growing period
Growth rates
–Growth stages
–Habitats
Heat resistance (biological)
–Heaving
Insect resistance
Invasion

Environmental effects (Con.)
Irrigation effects
Limiting factors
Lodging
Longevity
Microenvironment
–Migration
Mortality
Non-parasitic diseases (plant)
Persistence
Phenology
Physiological ecology
Planting management
Plant morphology
–Plant pathology
Plant physiology
–Plants (botany)
–Population
–Productivity
Radioactivity effects
–Resistance
Social behavior
Spots
–Succession
–Tropisms
Water injury
Weathering

Environmental engineering 0505
BT –Engineering
NT Environmental sanitation
RT –Air pollution
–Cooling
–Environments
Epidemiology
–Heating
–Human diseases
Human engineering
Landfills
Precooling
Preheating
Psychological aspects
Public health
–Safety
Shelters
Site selection
Temperature control
Thermal stress
Ventilation
–Waste disposal
–Water pollution
–Water treatment
Zoonoses

Environmental gradient 0606
BT –Ecology
RT –Biological communities
–Biomes
Distribution patterns
–Ecotypes
–Environmental effects
–Environments
–Population
–Succession
Thermocline

Environmental sanitation 1302.1
BT –Environmental engineering
RT –Air pollution
Air pollution control
Botulism
–Diseases
Disinfection
–Disposal
–Environments
Epidemiology
Epizootiology
–Human diseases
Insect control
Landfills
–Pest control
Pesticide toxicity
Potable water
Public health
Sanitary engineering
Sewage disposal
–Sewage treatment
Sludge disposal
Soil contamination
–Wastes
Waste water (pollution)
Waste water treatment
–Water pollution
–Water purification
Water supply
Zoonoses

Environmental tests 1402
BT –Materials tests
–Tests
NT Exposure tests
High temperature research
Wetting and drying tests
RT Accelerated tests
Corrosion environments
Corrosion tests
–Environmental effects
–Environments
Field laboratories
–Field tests
–Instrumentation
–Metal tests
–Model studies
–Resource development
Technology
Weathering

Environments 1407
NT Abiotic environment
Air environment
–Aquatic environment
–Aquatic habitats
Deep-water habitats
Estuarine environment
–Habitats
Lentic environments
Lotic environment
Microenvironment
Overwintering sites
Soil environment
Terrestrial habitats
Wildlife habitats
RT Acclimatization
Arts
–Atmosphere
–Behavior
–Biology
Biotrons
Climatic changes
Climatic zones
–Climatology
Cold climates
–Cold regions
Competition
Corrosion environments
Deserts
–Ecology
–Environmental effects
–Environmental engineering
Environmental gradient
Environmental sanitation
–Environmental tests
Fatigue (physiology)
Greenhouses
Growth chambers
Heat budget
Human engineering
Hydroponics
Insect behavior
Learning
–Light
Man
Morale
Photoperiodism
–Precipitation (atmospheric)
Psychological aspects
–Social aspects
–Succession
Thermoperiodism

Enzymes 0601
RT –Animal physiology
Biochemistry
Catalysts
Inhibitors
Plant physiology
–Proteins

Ephemeral streams 0808
BT –Bodies of water
–Land forms
–Non-perennial streams
–Running waters
–Streams
–Watercourses (legal)
RT Arroyos
Dry beds
Intermittent streams
Perennial streams
–Precipitation (atmospheric)
Seasonal
–Seasons

Ephemeroptera
USE Mayflies

Epibenthic biota
USE Benthos

Epicenters 0811
RT Earthquake focus
–Earthquakes
Magnitude
Seismology

Epidemics 0605
RT Floodwater
–Human diseases
Water pollution effects

Epidemiology 0605
(excludes epiphytology)
RT –Animal diseases
–Diseases
–Environmental engineering
Environmental sanitation
Epizootiology
–Human diseases
Human pathology
Morbidity
Mortality
Public health
–Viruses
–Water pollution
Water pollution effects
Zoonoses

Epidermis 0616
RT Cuticle
Leaves
–Plant tissues
Stomata
Transpiration

Epilimnion 0808
RT Hypolimnion
–Lakes
–Limnology
–Reservoirs
–Stratification
Thermal stratification
Thermocline
–Water quality

Epiphytology 0605
BT –Pathology
–Plant pathology
RT Blights
Blotches
–Diseases
–Environmental effects
Mildews
–Plant diseases
–Plants (botany)
Plant viruses
Rots
Rusts (fungi)
Smuts
Soil-borne diseases
Spots
–Viruses
Wilts

Epizootiology 0605
RT –Animal diseases
–Animal parasites
Animal pathology
–Animals
–Diseases
Environmental sanitation
Epidemiology
Fish parasites
–Parasites
Public health
–Viruses
–Water pollution

Epoxies
USE Epoxy resins

Epoxy mortar 1303
BT –Construction materials
–Mortars
RT Epoxy resins

Epoxy resins 1109
UF Epoxies
BT –Resins
–Synthetic resins
–Thermosetting resins
RT Adhesives
Coal-tar epoxy paints
Epoxy mortar
–Linings
Plastic coatings
–Protective coatings

Equalizing reservoirs 1302.6
BT –Bodies of water
–Impoundments
–Reservoirs
–Standing waters
–Surface waters
RT –Bodies of water
–Dams
–Hydraulic structures
–Irrigation
–Lakes
Reservoir capacity
Reservoir sites
Reservoir storage

Equations 1201
NT Chezy equation
Continuity equation
Darcy-Weisbach equation
Energy equation
Estimating equations
Hazen-Williams equation
Hydrologic equation
Kutter formula
Laplace equation
Mannings equation
Momentum equation
Theis equation
Thiems equation
Yield equations
RT –Algebra
Darcys law
–Formulas
–Mathematical logic
–Numerical analysis

Equilibrium 1407
RT Aggradation
Aqueous solutions
–Damping
Degradation (stream)
–Diffusion
Fluctuation
Hydrologic equation
Phase diagrams
Regime
Saturation
–Stability
–Stabilization
–Statics
Supercooling
Thermodynamic behavior
–Thermodynamics
Water balance
Yield line method

Equilibrium equation
USE Thiems equation

Equilibrium prices 0503
BT –Prices
RT Elasticity of demand
Elasticity of supply

Equipment 1407
Use of a more specific term is recommended
UF Apparatus
Tools
NT Accelerometers
–Acoustic equipment
Airborne equipment
Air compressors
Altimeters
Ammeters
–Anemometers
Application equipment
Asphalt plants
–Augers
Autoclaves
Axial flow turbines
Barometers
Belt conveyors
Boilers
Bulb turbines
Bulkhead gates
Butterfly valves
Calculators
Calorimeters
Calyx drills
Capacitors
Centrifugal pumps
Centrifuges
Chronometers
Clamshells
–Clocks
–Compaction equipment
–Compressors
–Computers

Equipment (Con.)
Condensers (liquefiers)
–Construction equipment
–Conveyors
–Cranes (hoists)
Dehydrators
Deriaz pump turbine
Draglines
Dredges
–Drilling equipment
Drill monitors
–Drills
Drum rollers
Dryers
Dynamometers
–Earth handling equipment
–Electrical equipment
Electrical shocking gear
–Electric bridges
Electric wire
–Electronic equipment
–Evaporators
Evapotranspirometers
–Excavators
Extensometers
Farm equipment
Feeders
Flash evaporators
–Flowmeters
Frequency analyzers
–Gages
Galvanometers
Geiger counters
–Generators
Geodimeters
Geophones
Gravimeters
–Hydraulic equipment
Hydrophones
Infrared detectors
Laboratory equipment
Lighting equipment
Lysimeters
Magnetometers
Maintenance equipment
–Measuring instruments
Mechanical equipment
Metal detectors
–Meters
Micrometers
–Mixers
–Motor generators
Neutron counters
Obsolete equipment
–Office equipment
Orifice meters
Oscillators
Oscillographs
Oscilloscopes
Packers (grouting)
Penetrometers
Permeameters
Photometers
–Piezometers
Plumblines
Pneumatic tired rollers
Potentiometers
–Pressure gages
–Pressure measuring instruments
Pressure sensors
–Pump turbines
–Radiation detectors
–Radiation measurement
–Radiation measuring equipment
Radiometers
Radiosondes
Rain gages
Rental equipment
Research equipment
Rock crushers
–Rollers
Rotating meters
Salinity meters
Scarifiers
Scintillation counters
Screeds
Seismographs
–Sensors
Sextants
Sheepsfoot rollers
Signal generators
Silver iodide generators
Snow gages
Solar stills
Soniscopes
Spectrometers
Staff gages
Stators
–Strain gages
Stress gages
Stress meters
Tamping rollers
Tellurometers
–Temperature sensors
Tensiometers
–Test equipment
Test machines
Theodolites
Thermographs
Thermostats
Tiltmeters
–Tractors
–Transformers
Tunneling machines
Turbidimeters
–Velocity meters
Vibration tables
–Vibrators (mechanical)
Voltage regulators
Voltmeters
Volumetric meters
Water meters
Wattmeters
Wave tanks
Weir gages
Wellpoints
Wheatstone bridge
Wheel excavators
Wind tunnels
RT Automation
Cooling towers
Equipment installation
–Indicators
–Installation
Investment
Jet pumps
Jets
–Maintenance
Manual control
Mechanical control
Mechanical engineering
–Operation and maintenance
Performance rating
Portable
–Procurement
Rehabilitation
Repairing
Replacing
Specifications
Stainless steel
Stop logs
Stream gaging station
Supply contracts
–Waterworks

Equipment costs 1401
BT –Costs
RT Capital costs
Construction costs
Depreciation
Direct costs
–Efficiencies
Engineers estimates
Equipment installation
Estimated costs
Industrial production
Initial costs
Interest (finance)
Labor costs
Maintenance costs
Operating costs
Replacement costs
–Value
Value engineering

Equipment installation 1315
BT –Installation
RT –Equipment
Equipment costs
Manuals

Equitable apportionment 0504.1
RT Interstate
Interstate rivers
–Legal aspects
Litigation
Water allocation (policy)
–Water law
–Water rights

Eradication (pests)
USE Pest control

Erection 1315
BT –Construction
RT –Buildings
–Concrete structures
–Construction control
–Construction methods
Construction practices
–Engineering structures
Fabrication
–Installation
Residences
Scheduling
Small structures
Steel structures
Structural engineering
Structural steel
Transmission towers
Welded joints
–Welding

Erosion 0807
NT Accelerated erosion
Bank erosion
Beach erosion
Channel erosion
Degradation (stream)
Gully erosion
–Mass wasting
Piping (erosion)
Rill erosion
Scour
Sheet erosion
Soil erosion
Solifluction
Stream erosion
Wind erosion
RT Ablation
Abrasion
Abrasion resistance
–Alluvial deposits
Alluvium
Beach sands
Beds (geology)
Blowouts
Burning
Canyons
Cavitation
Cloudbursts
–Colluvium
–Damages
Deterioration
Detrital soils
Detritus
–Durability
–Erosion control
Flood damage
–Fluvial morphology
–Geologic deposits
Geomorphology
Glaciation
Graded
Groundwater geology
Gullies
Hydraulic excavation
–Hydrogeology
Impact (rainfall)
–Land forms
–Land management
–Morphology
Pitting
–Precipitation (atmospheric)
Rain
Ripple marks
Rock glaciers
Rockslides
–Running waters
Sedimentary tuff
–Sedimentation
Sedimentology
Sediment production
Sediment yield
–Stability
–Storms
Streambed profiles
Superimposed drainage
Talus
Test canals
Topography
Turbidity currents
–Valleys
Washouts
–Waves (water)
Weathering

Erosion control 0203
UF Antierosion materials
Erosion prevention
Erosion protection
Erosion reduction
BT –Control
NT Contour farming
RT Armoring (streambed)
Bank protection
Bank stability
–Blankets
Cavitation control
Check dams
–Check structures
–Conservation
–Cover crops
–Cutting management
Dam facings
–Erosion
Farm management
Flood control
Forest management
Gabions
Gully erosion
–Land management
Plunge basins
Project benefits
–Resource conservation
Revetments
Riprap
River training
Roadbanks
Rock blankets
Rotation
Shelterbelts
Slope protection
–Slope stability
Slope stabilization
Soil conservation
Soil erosion
–Soil management
Soil stabilization
Stream meandering
Stream stabilization
Strip cropping
Terraces
Terracing
–Vegetation establishment
Water control
–Water management (applied)
–Water resources management
Watershed management
Windbreaks
Wind erosion

Erosion control (soil)
USE Soil erosion

Erosion prevention
USE Erosion control

Erosion protection
USE Erosion control

Erosion reduction
USE Erosion control

Errors 1407
RT Accuracy
Compensation
–Consistency
Correction
Deficiencies
Editing
Gaussian distribution
Grammars
Laboratory tests
Least squares method
–Quality control
Ranges
Reliability
Reproducibility
–Sampling
Scale effect
Standard deviation
–Tests
Tolerances (mechanics)

Escape of water
USE Floods

Escherichia coli
USE E. coli

Esox species
USE Pikes

Essential nutrients 0601 0616
BT –Nutrients
RT Nutrient requirements

Esthetics
USE Aesthetics

Estimated benefits 0503
BT –Benefits
RT Estimated costs
Estimating
–Planning

Estimated costs 1401
BT –Costs
RT Benefit-cost analysis
Budgeting
Construction costs
Cost indexes
Electric power costs
Engineering economy
Engineers estimates
Equipment costs
Estimated benefits
Estimating
Estimating equations
Labor costs
Operating costs
–Planning

Estimating 1407
RT –Allocations
–Analysis
–Analytical techniques
Approximation method
Budgeting
–Census
Cost indexes
Critical path method
Engineers estimates
Estimated benefits
Estimated costs
Estimating equations
–Evaluation
–Feasibility
Feasibility studies
–Forecasting
Hydrograph analysis
Land appraisal
Maximum probable flood
–Measurement
PERT
–Planning
Preparation
Probable maximum precipitation
–Projects
–Quality control
Reliability
Risks
–Sampling
Standard deviation
–Surveys
–Value
–Water supply forecasting

Estimating equations 1401
BT –Equations
RT Estimated costs
Estimating
–Planning

Estuaries 0808 0810
BT –Bodies of water
–Land forms
–Waterways
RT –Aquatic habitats
Bays (topographic features)
–Currents (water)
Encroachment
Estuarine environment
Estuarine fisheries
–Fluvial morphology
Gulfs
Inflow
Inlets (waterways)
Intertidal areas
Mixing length
Oceanography
Oceans
–Rivers
Saline lakes
–Saline water fish
Saline water-freshwater interfaces
Sea water
–Stratification
–Streams
–Tides
–Water

Estuarine environment 0606
BT –Aquatic environment
–Environments
RT Estuaries

Estuarine fisheries 0603.2
BT –Fisheries
RT Brackish-water fish
Estuaries
Marine fisheries
–Saline water fish

Etching 1405
RT –Corrosion
Pitting
Reproduction (copying)
–Surface properties

Etheostoma species
USE Darters

Ethers 0703
BT –Chemical compounds
–Organic compounds

Ethics 0511
RT Psychological aspects
–Psychology
Public opinion
–Sciences
–Social aspects
Social behavior
–Sociology

Ethylene glycol 0703
BT –Chemical compounds
–Organic compounds

Eucalia species
USE Sticklebacks

Euglena 0613
BT –Algae
–Aquatic algae
–Aquatic life
–Aquatic microorganisms
–Aquatic plants
–Euglenophyta
–Microorganisms
–Plants (botany)
–Seston

Euglenophyta 0613
BT –Algae
–Aquatic algae
–Aquatic life
–Aquatic microorganisms
–Aquatic plants
–Microorganisms
–Plants (botany)
–Seston
NT Euglena

European widgeon 0603.2
UF Mareca penelope
Widgeon (european)
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Eutrophication 0606
UF Algal blooms
Water bloom
RT Aging (biological)
Algal nutrients
–Aquatic algae
Aquatic productivity
–Biological properties
Dystrophy
–Fish
Fishkill
–Limnology
–Nutrients
Oligotrophy
–Oxygen
Oxygen requirements
Oxygen sag
–Plankton
–Population
Primary productivity
–Productivity
Stagnant water
–Surface waters
Trophic level
Waste assimilative capacity
Water pollution effects
Water properties
–Water quality

Evaluation 1407
UF Economic evaluation
NT Engineering evaluation
Land appraisal
Product evaluation
RT Acceptability
–Analysis
–Analytical techniques
–Appraisals
–Assay
Assessments
–Classifications
Correlation
–Cost analysis
Cost savings
–Criteria
–Design
Estimating
–Exploration
–Field investigations
–Forecasting
Foreign tests
Foundation bearing tests
–Inspection
Job analysis
–Measurement
Performance
Performance rating
Personnel management
Probability
–Projects
–Quality control
–Rejection
Soil analysis
Test procedures
–Tests
Theoretical analysis
–Value
Value engineering

Evaporation 0704
BT –Vaporization
NT Pan evaporation
Potential evaporation
Reservoir evaporation
RT Ablation
Air-earth interfaces
Air-water interfaces
Atmometers
Boiling
Boundary processes
–Climatology
–Condensation
Consumptive use (water)
Dehydration
–Desalination
Dewatering
–Diffusion
Diversion losses
–Drying
Energy balance
–Energy budget
–Environmental effects
Evaporation coefficient
Evaporation control
Evaporation pans
Evaporation reservoirs
Evaporation tanks
Evaporimeters
–Evapotranspiration
Heat balance
–Heating
Hydrologic budget
Hydrologic cycle
Hydrologic equation
–Hydrometeorological station
Interception
–Lagoons (ponds)
Latent heat
–Liquid-vapor interfaces
Mass transfer
–Meteoric water
–Meteorology
Microenvironment
Multistage flash distillation
Playas
Potential evapotranspiration
Riparian water loss
Saturation
–Separation
–Separation techniques
Soil water movement
–Solar radiation
Sprays
Sprinkler irrigation
Sublimation
–Surface waters
Transpiration
Vapor pressure
Volatility
Water balance
Water budget
–Water loss
Water properties
–Water supply forecasting
Weight loss

Evaporation coefficient 0704
BT –Coefficients
RT –Evaporation
Pan evaporation

Evaporation control 1302
UF Evaporation prevention
Evaporation reduction
Evaporation suppression
BT –Control
RT –Alcohols
Chemcontrol
–Evaporation
–Evapotranspiration
Evapotranspiration control
Hexadecanol
Monomolecular films
–Mulching
Octadecanol
Phase studies
Reservoir evaporation
Selective level releases
Transpiration control
Underground storage
Underground water storage
Water conservation
Water control
–Water management (applied)
–Water resources management
–Water utilization
Water yield improvement

Evaporation pans 1402
BT –Instrumentation
RT –Evaporation
Evaporation tanks
–Evaporators
Evaporimeters
Pan evaporation

Evaporation prevention
USE Evaporation control

Evaporation reduction
USE Evaporation control

Evaporation reservoirs 1302.6
BT –Bodies of water
–Impoundments
–Reservoirs
–Standing waters
–Surface waters
RT Brine disposal
Brines
–Demineralization
–Desalination
Desalination apparatus
Desalination plants
Desalination processes
–Evaporation
Evaporation tanks

Evaporation retardants 0704
BT –Retardants
RT –Alcohols
–Films
Hexadecanol
Monomolecular films
–Mulching
Octadecanol

Evaporation suppression
USE Evaporation control

Evaporation tanks 1402
BT –Containers
–Tanks (containers)
RT –Evaporation
Evaporation pans
Evaporation reservoirs
–Evaporators
Evaporimeters
Lysimeters

Evaporators 1302.5 1402
BT –Equipment
NT Flash evaporators
RT Condensers (liquefiers)
Cooling systems
Desalination apparatus
Desiccants
–Distillation
Dryers
Evaporation pans
Evaporation tanks

Evaporimeters 1482
RT Atmometers
–Evaporation

Evaporimeters (Con.)
Evaporation pans
Evaporation tanks
–Evapotranspiration

Evapotranspiration 0808
NT Potential evapotranspiration
RT Advection
Air-earth interfaces
–Climatology
Consumptive use (water)
Degree days
–Drying
Duty of water
Energy balance
–Energy budget
–Environmental effects
–Evaporation
Evaporation control
Evaporimeters
Evapotranspirometers
Growing period
Hook gages
Hydrologic cycle
–Hydrology
Irrigation effects
Lysimeters
–Meteoric water
–Meteorology
Microenvironment
–Phreatophytes
–Plants (botany)
Riparian plants
Riparian water loss
Saturated soils
–Soil moisture
Soil water movement
Stomata
Transpiration
Transpiration control
Water application rate
–Water loss
–Water supply forecasting

Evapotranspiration control 0808
BT –Control
RT Evaporation control
Transpiration control
Water conservation
–Water utilization
Water yield improvement

Evapotranspirometers 1402
BT –Equipment
–Instrumentation
–Measuring instruments
–Test equipment
RT Consumptive use (water)
–Evapotranspiration
Hook gages

Excavation 1315
NT –Explosive excavation
Hydraulic excavation
Nuclear excavation
Overexcavation
Quarrying
Rapid excavation
Rock excavation
–Tunnel construction
Tunneling
–Underwater excavation
RT Backfills
–Blasting
–Borrow areas
Borrow pits
Canal construction
Charges (explosives)
–Construction
Cratering
Craters
Cuts
Cut slopes
Dam construction
Detonation
Dewatering
–Ditches
Dredging
–Earth handling equipment
–Earth materials
Earthmoving
–Earthworks
–Excavators
–Explosions
Explosive construction
–Explosives
–Foundations
Grading (earthwork)
Gravel pits
Harbors
High explosives
Materials handling
–Mining
Nuclear explosions
Overbreak
Overhaul
Percussion drilling
Pipe bedding
Pipe laying
Pit run materials
–Pits
Quarries
Reservoir construction
Ripping
Road construction
Rock mechanics
Rock pressures
Shafts (excavations)
Shafts (mining)
Shoring
Shovels
Soil mechanics
Spoil
Stopes
–Storage
Stripping
–Trenches
–Tunnels
Vehicular tunnels
–Water tunnels (conveyance)
Wellpoints
–Wells

Excavators 1303
UF Trenchers
BT –Construction equipment
–Earth handling equipment
–Equipment
NT Clamshells
Draglines
Dredges
Shovels
Tunneling machines
Wheel excavators
RT Bulldozers
Cuts
Earthmoving
–Excavation
–Mining
Mobile equipment
Rapid excavation
Rock excavation
Shields
Stripping
–Tractors
–Tunnel construction
Tunneling
–Underwater excavation

Excessive precipitation 0402
BT –Groundwater sources
–Precipitation (atmospheric)
RT –Rainfall

Excess water (legal aspects)
USE Surplus water

Excess water (soils) 0808
BT –Soil moisture
–Soil water
–Subsurface waters
–Vadose water
–Water
–Water types
RT Consumptive use (water)
Drainage water
Gravitational water
Precipitation excess
Rain water
–Runoff
Waste water
Water requirements

Excitation 2008
RT –Electric generators
Exciters
Irradiation
–Luminescence
Natural frequency
Power system stability

Exciters 1407
RT Direct current
–Electric generators
–Electronic equipment
Excitation
Magnetic fields

Executives 0501 0509
BT –Personnel
RT Leadership
–Management
Management training
–Policies
Professional advancement
–Professional personnel
Supervision

Expanding cements 1303.1
BT –Cements
RT –Concrete technology
–Expansion
Expansive concrete
–Portland cements

Expansion 1407
BT –Mechanical properties
NT Dilatation
Dilation
Linear expansion
Thermal expansion
RT Adiabatic
Contraction
Distortion (structural)
Economic growth
Elongation
Expanding cements
Expansion joints
–Expansive clays
Expansive concrete
–Expansive forces
–Expansive soils
Extensometers
–Growth
–Heaving
Internal forces
Normal strain
Preheating
Rebound
–Relaxation (mechanics)
–Shrinkage
–Strain
Swelling
Swelling pressure
–Volume change

Expansion joints 1305
BT –Joints (connections)
RT Bridge decks
–Bridges (structures)
Circumferential joints
–Concrete construction
–Concrete structures
–Construction joints
Contraction joints
Dowels
–Expansion
Joint fillers
Keyways
Longitudinal joints
–Masonry
Pipe joints
Slabs
Thermal expansion
Transverse joints
Vertical joints

Expansive clays 0807
BT –Clays
–Earth materials
–Expansive soils
–Finegrained soils
–Fines
–Materials
–Soils
–Soil types
NT Bentonite
RT –Absorption
Adsorbents
–Adsorption
–Clay minerals
Cohesive soils
Drilling fluids
–Expansion
–Expansive forces
–Grouting
–Heaving
Impervious soils
–Montmorillonite
–Shrinkage
Slurries
Swelling
Swelling pressure
Uplift pressure
–Volume change

Expansive concrete 1303.1
BT –Building materials
–Concretes
–Construction materials
RT –Cements
–Concrete technology
Expanding cements
–Expansion
–Portland cements
Prestressed concrete

Expansive forces 2011
UF Forces (expansive)
NT Swelling pressure
RT –Expansion
–Expansive clays
–Expansive soils
–Explosions
–Heaving
Internal forces
Linear expansion
–Loads (forces)
Osmotic pressure
–Pressure
–Stress
Swelling
–Temperature
Thermal expansion
Thermal stress
–Volume change

Expansive soils 0807
BT –Earth materials
–Materials
–Soils
–Soil types
NT Bentonite
–Expansive clays
RT –Clays
Compressible soils
–Expansion
–Expansive forces
–Finegrained soils
–Heaving
–Montmorillonite
–Shrinkage
Slurries
Swelling
Swelling pressure
Uplift pressure
–Volume change

Expenditures 0503
RT Accounting
Appropriations (fiscal)
–Costs
Engineering costs
Insurance costs
–Prices
Rental equipment
Unit costs

Expenses
USE Costs

Experimental data 1407
BT –Information
RT –Charts
Curve fitting
Data collections
Data reduction
Field data
Laboratory tests
–Materials tests
Model tests
Prototype tests
–Shear tests
Statistics
Strain rate
Stress-strain curves
–Tables (data)
–Tests

Experimental farms 0202
BT –Facilities
–Farms
–Test facilities
RT Agricultural engineering
Agriculture
–Conservation
–Crops
Demonstration farms
Development farms
Farm equipment
Farm management
Forestry
–Irrigation
Land development
–Land management

Experimental farms (Con.)
–Livestock
–Research and development
–Resource conservation

Experimental watersheds
USE Demonstration watersheds

Exploitation 0809
RT –Depletion
–Exploration
Groundwater depletion
Leases
–Mines
–Mining
Oil fields
Oil industry
Withdrawal

Exploration 1407
UF Prospecting
NT –Electrical prospecting
–Geophysical prospecting
Geothermal prospecting
Gravimetric prospecting
RT Auger borings
Bedrock
–Borehole cameras
Borehole geophysics
Boreholes
–Detection
Dowsing
Dredging
–Drift
Drill holes
–Drilling
–Evaluation
Exploitation
–Field investigations
Foundation investigations
–Geologic investigations
–Investigations
Locating
Locations
Logs
–Mapping
–Maps
–Mines
–Mining
Mining engineering
Objectives
Oil industry
Oil wells
Percussion drilling
Photogeology
Preliminary investigations
Remote sensing
–Research and development
Rotary drilling
–Sampling
Seismic refraction
Seismic studies
Shafts (excavations)
Shafts (mining)
–Ships
–Sites
Soil investigations
Sounding
Subsurface investigations
–Surveying
–Surveys
Telemetry
Terrain analysis
Test holes
Test pits
–Tests
–Trenches
–Well logging

Explorations (seismic)
USE Seismic investigations

Explorations (subsurface)
USE Subsurface investigations

Explosions 1904
NT Nuclear explosions
Underground explosions
Underwater explosions
RT –Accidents
–Blasting
–Blasts
Combustion
Cratering
Craters
Demolition
Detonation
Dynamic loads
–Excavation
–Expansive forces
Explosive construction
–Explosive excavation
–Explosives
Fires
Fuses (explosions)
–Hazards
High explosives
Impact loads
Nuclear excavation
Overpressure
Rapid excavation
Seismic studies
Seismic tests
–Seismic waves
Shear waves
Shock (mechanics)
Shock tests
Shock waves

Explosive charges
USE Charges (explosives)

Explosive construction 1315
BT –Construction methods
RT –Blasting
–Blasts
Charges (explosives)
–Construction
Construction practices
Cratering
Craters
–Drilling
Dynamic loads
Dynamic response
–Excavation
–Explosions
–Explosive excavation
–Explosives
Fuses (explosions)
Nuclear excavation
Nuclear explosions
Quarrying
Rapid excavation
Rock excavation
Shafts (excavations)
Underground explosions
Underwater explosions

Explosive excavation 1315
BT –Excavation
NT Nuclear excavation
RT –Blasting
–Blasts
Charges (explosives)
–Construction
Cratering
Craters
Detonation
–Explosions
Explosive construction
–Explosives
–Mining
Nuclear explosions
Overbreak
Quarries
Quarrying
Rapid excavation
Rock breakage
Rock excavation
Rock foundations
–Trenches
Underground explosions
Underwater explosions

Explosives 1901
UF Dynamite
NT Charges (explosives)
Nitroglycerin
RT –Blasting
–Blasts
–Construction
Cratering
Delay elements (explosives)
Demolition
Detonation
–Excavation
–Explosions
Explosive construction
–Explosive excavation
Fires
Fuses (explosions)
–Hazards
–Mining
Presplit blasting
Quarrying
Rapid excavation
Rock excavation
Seismic investigations
Seismic studies
Seismic tests
Smooth wall blasting
–Storage
–Tunnel construction

Export 0503
BT –Foreign trade
RT Import
International compacts
Tariff
–Treaties
Water plans

Exposure 1407
RT Cold resistance
Corrosion environments
Dosage
–Environmental effects
Exposure tests
Irradiation
–Treatment
Weathering
Wetting and drying tests

Exposure tests 1402
BT –Environmental tests
–Materials tests
–Tests
RT Corrosion tests
Exposure
Fatigue tests
–Field tests

Expressways
USE Highways

Extensometers 1402
BT –Equipment
–Gages
–Instrumentation
–Measuring instruments
–Meters
–Strain gages
–Test equipment
RT –Deformation
Dial gages
–Expansion
Linear expansion
Normal strain
Shear strain
Strain measurement
Strain meters
Tensiometers
–Transducers

Exterior friction
USE External friction

External forces 2011
UF External pressures
External stresses
Forces (external)
RT Dam stability
Dead loads
External friction
Ice loads
–Lateral forces
–Live loads
–Pressure
–Structural analysis
–Structural design
Swelling pressure
Total loads
Total stress

External friction 1407
UF Exterior friction
BT –Friction
–Mechanical properties
RT Abrasion
Abrasion resistance
Bins
External forces
Friction coefficient (hydraulic)
Friction coefficient (mechanical)
Internal friction
Negative friction
Positive friction
–Retaining walls
Sliding resistance
Solid friction
–Surface properties
–Tractive forces
Wall friction
–Walls

External pressures
USE External forces

External stresses
USE External forces

Extraction 1308
BT –Separation
NT Pile extraction
RT Absorbers
–Adsorption
–Beneficiation
Centrifugation
Concentration
Dewatering
–Dialysis
–Diffusion
Dismantling
Filtration
Leaching
–Osmosis
Percolation
–Removal
–Salvage
–Separation techniques
Solvent extractions
–Solvents
Sorption

Extra high voltage 2003
UF EHV
BT –Electric potential
RT Alternating current
Direct current
–Electrical equipment
Electrical grounding
Electric corona losses
Electric coronas
Electric networks
–Electric power
–Interconnected systems
–Power transformers
Radio interference
Terminal facilities (electrical)
–Transmission (electrical)
–Transmission lines
Ultra high voltage

Extra long distance 0901.1
UF ELD
RT Distance
Electrical stability
Electric networks
–Electric power
–Interconnected systems
–Transmission (electrical)
–Transmission lines

Extraordinary use
USE Artificial use

Extraterrestrial hydrology 0302
BT –Hydrologic aspects
RT –Astronomical bodies
Astronomy
–Meteoric water

Extratropical cyclones 0402
BT –Storms
RT Disasters
–Tropical cyclones

Extra work orders
USE Contract administration

Extrusions 1308
RT –Application methods
–Bars
–Castings
Dies
Exudation
Fabrication
–Geology
Materials forming
Moldings
Presses
–Rods
Rolling

Exudation 1407
UF Guttation
RT –Drops (fluids)
Extrusions
Incrustation
Plant growth substances
–Separation
Sweat
Transpiration

F

Fabrication 1308
RT Building codes
–Construction
–Construction materials
Erection
Extrusions
Industrial production
Manufacturing
–Operations
Prefabrication
Preparation
–Processing
–Steel plates
Structural steel
Welded joints
–Welding
Welding torches

Facilities 1407
Use of a more specific term is recommended
NT Experimental farms
Field laboratories
Fish handling facilities
Hydraulic laboratories
–Laboratories
–Recreation facilities
Research facilities
–Test facilities
Test machines
Treatment facilities
Wind tunnels
RT Airports
–Buildings
Camp sites
Canneries
Desalination plants
–Electric powerplants
Hospitals
Hydroelectric powerplants
–Industrial plants
Libraries
–Mills
–Nuclear powerplants
–Operation and maintenance
Pilot plants
Playgrounds
–Powerplants
–Public utilities
Residences
–Resource development
–Resources
Saw mills
–Schools (education)
–Stations
Swimming pools
Thermal powerplants
Tidal powerplants
Universities
–Utilities

Factories
USE Industrial plants

Failure 1407
NT Bridge failure
Dam failure
–Electrical faults
–Electric power failure
–Failure (mechanics)
Foundation failure
Materials failure
Plastic failure
Tunnel failure
RT Buckling
Collapse
–Corrosion
Cracking
–Damages
–Deformation
–Degradation
Deterioration
Disasters
Earthquake damage
Electric arcs
Flashover
–Fractures

Failure (mechanics) 1407
BT –Failure
NT Materials failure
Plastic failure
Shear failure
RT Bridge failure
Brittle fractures
–Brittle fracture theory
Buckling
Building codes
Collapse
Cracking
–Cracks
Dam breaches
Dam failure
–Deformation
Deterioration
Failure surfaces
Fatigue (materials)
Fatigue tests
Foundation failure
–Fractures
Griffith theory
–Liquefaction
Load factors
–Mechanical properties
Mohr failure theory
Plastic theory
Rapid drawdown
Rupture modulus
Rupturing
–Shear
Shear cracks
Shear planes
Soil liquefaction
Soil stability
Splitting tensile strength
–Stability
–Structural stability
Torsion
Triaxial shear
Tunnel failure

Failure (power)
USE Electric power failure

Failure surfaces 2012
BT –Surfaces
RT –Cracks
–Failure (mechanics)
–Fractures
Shear cracks
Shear planes
Slip planes
Slip surface

Fall
USE Autumn

Fallout 1808
UF Atmospheric fallout
Radioactive fallout
RT Aerosols
Air environment
–Air pollution
Air pollution control
–Atmosphere
Civil defense
Nuclear explosions
Pollutants
–Precipitation (atmospheric)
Radiation effects
Radiation hazards
Radioactive contamination
Radioactive wastes
Radioactivity
Radioactivity effects
Radiochemical analysis
–Radioisotopes
Shelters
–Shielding
Soil contamination
Strontium radioisotopes
Tritium
Water pollution sources

Fallowing 0203
BT –Land management
–Soil management
RT Arid lands
Chemcontrol
Crop production
–Cultivation
Dry land farming
Farm management
Plowing
Rotation
–Soil moisture
–Soil water
Water conservation
–Water management (applied)

Falls
USE Waterfalls

Fall velocity
USE Settling velocity

False set 1303.1
UF Premature stiffening
RT –Cements
–Concrete construction
Concrete mixes
–Concretes
–Concrete technology
Initial set
–Portland cements
–Retarding agents
Setting (materials)
Slump

Fans 1301
RT Air circulation
Blades
Blowers
–Cooling
Cooling systems
–Materials handling equipment
Precooling
Radiators
–Rotary pumps
Ventilation

Fans (alluvial)
USE Alluvial deposits

Fans (fluvial)
USE Alluvial deposits

Farm animals
USE Domestic animals

Farm equipment 0203
UF Farm machinery
BT –Equipment
RT Agricultural engineering
Experimental farms
Farm management
–Farms
Feeders
–Filters
Floats
–Generators
–Harvesting
–Instrumentation
Irrigation engineering
–Irrigation systems
Nozzles
Plowing
–Pumps
–Tractors
–Valves

Farm lagoons 1302.1
UF Manure lagoons
RT –Anaerobic bacteria
–Disposal
Farm management
Farm ponds
Farm wastes
–Seepage
–Settling basins
Sewage lagoons
Stock ponds
–Waste disposal
Waste water (pollution)

Farm machinery
USE Farm equipment

Farm management 0202
UF Cropping systems
Crop rotation
Farm practices
BT –Management
RT Agricultural economics
Agriculture
Catch crops
Confinement pens
Contour farming
Contour furrows
–Costs
Cropping patterns
Crop production
Crop response
–Crops
–Cultivation
Demonstration farms
Demonstration watersheds
Development farms
Drainage practices
Dry land farming
–Economics
–Erosion control
Experimental farms
Fallowing
Farm equipment
Farm lagoons
Farm wastes
Fertilization
–Harvesting
Irrigated land
Irrigation operation & maintenance
–Irrigation practices
–Land management
Land use
–Livestock
–Pest control
Planting management
Poultry
–Productivity
Rotation
Seeding
–Soil management
–Weed control

Farm ponds 0808 1302.6
UF Irrigation impoundments
Irrigation storage ponds
Ranch ponds
BT –Bodies of water
–Impoundments
–Lakes
–Ponds
–Reservoirs
–Standing waters
–Surface waters
RT –Aquatic habitats
Domestic water
Dugouts
Farm lagoons
Fish farming
–Fishing
Fish management
Flood control
–Fresh water
Impounded waters
–Irrigation
–Irrigation water
Small watersheds
Stock ponds
Stock water
–Water
Water conservation
Watershed management
Water sources
–Water storage

Farm practices
USE Farm management

Farm prices 0202
BT –Prices
RT Agriculture
Crop production
Government finance
Market value
Parity prices

Farms 0202
NT Demonstration farms
Development farms
Experimental farms
Farm units
RT Agricultural engineering
Agricultural watersheds
Agriculture
–Crops
Dairy industry
Farm equipment
Fish farming
Irrigated land
–Livestock
Orchards
Pasture
Plowing
–Ponds
Poultry
Rural electrification
–Wastes

Farms (development)
USE Development farms

Farm units 0202
BT –Farms
RT Acreage
–Economics
–Efficiencies

Farm units (Con.)
Irrigated land
Irrigation districts
Irrigation operation & maintenance
Irrigation permits
Irrigation programs
Water requirements

Farm wastes 0201
UF Agricultural wastes
Livestock wastes
Manure
BT –Wastes
RT Animal wastes (wildlife)
Confinement pens
Cultures
–Disposal
Domestic wastes
Farm lagoons
Farm management
Fertilizers
–Industrial wastes
–Organic wastes
Septic tanks
–Settling basins
–Sludge
Soil disposal fields
Urine
–Waste disposal

Fa[illegible]us species
USE Ash trees

Fasteners 1305
UF Fastenings
NT Anchor bolts
–Anchors
–Bolts
Dowels
–Mechanical fasteners
Nails
–Pins (mechanical)
–Rock bolts
Roof bolts
Screws
RT Adapters
Adhesives
Anchored bulkheads
–Bracing
–Building materials
Butt joints
Chains
Clamps
–Closures
Collars
Connectors (electrical)
Connectors (mechanical)
–Couplings
Fillet welds
–Fittings
Flanges
Gusset plates
Hinges
Hooks
–Joints (connections)
Lap joints
Pin connected joints
Spacers
Straps
Studs
–Tapes
–Wire
Wire rope
Wrenches

Fasteners (mechanical)
USE Mechanical fasteners

Fastenings
USE Fasteners

Fat clays
USE Clays

Fathometers 1402
BT –Instrumentation
RT Depth
Sounding

Fatigue (materials) 2012
BT –Mechanical properties
RT Bridge failure
Buckling
–Corrosion
Cracking
Creep
Cyclic loads
Ductility
–Failure (mechanics)
Fatigue tests
Hardness
Notch effect
Plastic failure
–Plasticity
Repeated loading
–Shear
Shear cracks
–Shear tests
Strength of materials
–Stress
Stress corrosion
Stress relaxation
Stress relieving
–Tests
Thermal stress
–Vibration
–Wear resistance

Fatigue (physiology) 0619
RT –Environments
Human behavior
Human engineering
Performance
–Safety

Fatigue tests 1402
UF Endurance tests
BT –Materials tests
–Metal tests
–Tests
RT –Compression tests
Creep tests
Cyclic loads
Ductility
–Durability
Exposure tests
–Failure (mechanics)
Fatigue (materials)
–Field tests
High temperature research
Impact tests
Laboratory tests
Notch tests
Plastic failure
Repeated loading
Static tests
–Strain
Strength of materials
–Stress
Stress relieving
Tension tests
Vibration tests
–Wear resistance

Fats
USE Lipids

Fatty alcohols 0703
UF Long-chain alcohols
BT –Alcohols
–Organic compounds
NT Hexadecanol
Octadecanol
RT Monomolecular films

Faucets
USE Valves

Faults (electrical)
USE Electrical faults

Faults (geology) 0807
UF Geological faults
RT Discontinuities
Displacements
–Earthquakes
–Fissures (geology)
Folds (geology)
–Fractures
Fractures (geology)
Groundwater barriers
–Heaving
Joints (geology)
Sagponds
Structural geology
Tunneling

Fauna
USE Animals

Feasibility 1407
NT Economic feasibility
Financial feasibility
Project feasibility
Technical feasibility
RT Benefit-cost analysis
–Cost allocation
Cost repayment
–Economics
Engineering evaluation
Estimating
Feasibility studies
–Forecasting
–Investigations
Preliminary investigations
Project planning
Value engineering

Feasibility studies 1407
RT Benefit-cost analysis
Benefit-cost ratios
–Civil engineering
–Cost analysis
Economic feasibility
–Economics
Engineering evaluation
Estimating
Feasibility
Project feasibility
Project planning
Recommendations
Site selection

Fecundity 0603.2
RT –Eggs
–Population
Population growth
–Productivity
–Reproduction (biology)

Federal agencies 0504
BT –Organizations
RT Administrative agencies
Civil service
Federal budgets
Federal government
Federal jurisdiction
Federal project policy
–Federal reservations
Federal-state cooperation
Federal-state water rights conflicts
Foreign activities
Government employees
State governments
–States (geographical)
United states government

Federal budgets 0501 0503
BT –Budgets
RT Appropriations (fiscal)
Budgeting
Civil service
Federal agencies
Federal government
National income
United states government

Federal government 0504
BT –Governments
RT Administrative agencies
Civil service
Federal agencies
Federal budgets
Federal-state cooperation
Government employees
Gross national product
International commissions
International compacts
–Legal aspects
National income
–Organizations
Political aspects
Repayment contracts
Revenues
–Social aspects
United states
United states government
Water resources development

Federal jurisdiction 0504
BT –Jurisdiction
RT Civil service
Federal agencies
Federal-state water rights conflicts
Political science
Reservation doctrine
State jurisdiction
Water quality standards
–Water rights

Federal project policy 0504
RT –Cost allocation
Cost repayment
Cost sharing
Federal agencies
Project planning
Project purposes
–Projects
United states government
–Water policy

Federal reservations 0504
UF Reserved lands
BT –Public land
NT Indian reservations
Military reservations
National battlefields
National forests
National historic parks
National historic sites
National lakeshores
National memorials
National monuments
–National parks
National recreation areas
National seashores
Withdrawn lands
RT Federal agencies
Reservation doctrine
United states government

Federal-state cooperation 0504
RT Cooperation
Federal agencies
Federal government
State governments
–States (geographical)

Federal-state water rights conflicts 0504.1
RT Federal agencies
Federal jurisdiction
–Jurisdiction
Reservation doctrine
State jurisdiction
United states government
–Water rights

Feedback 1407
RT Automatic control
Automation
Control systems
Decision making
Information systems

Feeders 1309
UF Feed mechanisms
BT –Equipment
RT Conveyances
–Conveyors
Dispensers
Farm equipment
Injectors
Loaders
–Mixers
–Water treatment

Feeding rates 0205
BT –Rates
RT –Feeds
–Productivity

Feed mechanisms
USE Feeders

Feed pumps 1311
BT –Hydraulic machinery
–Machines
–Pumps
RT Centrifugal pumps
Reciprocating pumps
Water recirculation

Feeds 0205
NT Hay
Silage
RT Feeding rates
Food abundance
Food and cover crops
Foods
Forage palatability
–Forages
Grains (crops)
Pasture
–Vitamins

Feed water 1301
BT –Water
NT Boiler feed water
RT Condensers (liquefiers)
–Demineralization
–Desalination
Preheating
Water recirculation

Feed water (Con.)
—Water treatment

Feldspars 0807
BT —Minerals

Fen 0807
RT —Bogs
—Lake stages
—Marshes
Peat

Fences 1313
RT Boundaries (property)
Electrical shocking gear
Shock (physiology)

Fermentation 0703
RT Activated sludge
Cultures
—Decomposition
Effervescence
—Industrial wastes
—Processing
—Sewage
Sewage sludge
Yeasts

Ferns 0603.1
BT —Plants (botany)
RT Spores

Ferric compounds
USE Iron compounds

Ferrites 0702 1106
BT —Chemical compounds
—Chemical elements
—Iron compounds
—Magnetic materials
—Metals
RT —Iron
Iron oxides
Microstructure
—Steel

Ferroalloys
USE Iron alloys

Ferrobacillus 0613
BT —Aerobic bacteria
—Aquatic bacteria
—Aquatic life
—Aquatic microorganisms
—Aquatic plants
—Bacteria
—Iron bacteria
—Microorganisms
—Plants (botany)
—Seston
RT Acid bacteria

Ferromagnetism 2003
UF Ferromagnets
BT —Magnetic properties
RT —Magnetic materials
—Magnets

Ferromagnets
USE Ferromagnetism

Ferrous compounds
USE Iron compounds

Fertility 0201 0616
RT Competition
Fertilization
Fertilizers
—Nutrients
Population growth
—Reproduction (biology)
Soil chemical properties
—Soil physical properties
—Soil properties
Sterility
Topsoil

Fertilization 0201
RT —Application methods
Crop production
Crop response
—Crops
Drainage effects
—Environmental effects
Farm management
Fertility
Fertilizers
—Fisheries
Fish farming
Fish management
Forest management
Irrigation effects
—Irrigation practices
Pollen
—Productivity
Seed treatment
Soil treatment
Timing
Water requirements

Fertilizers 0201
BT —Agricultural chemicals
RT —Ammonium compounds
—Chemicals
Farm wastes
Fertility
Fertilization
—Irrigation practices
Leaching
Lime
—Nitrates
—Nitrogen compounds
Nutrient requirements
—Nutrients
—Organic matter
—Phosphates
—Phosphorus compounds
Seed treatment
Sewage sludge
Soil amendments
Translocation
Trickle irrigation
—Ureas
Water pollution sources

Fescues 0204 0603.1
UF Festuca species
BT —Agronomic crops
—Crops
—Field crops
—Forage grasses
—Forages
—Grasses
—Monocots
—Plants (botany)
RT —Turf grasses

Festuca species
USE Fescues

Fetch 2004
RT Dam facings
Distance
Freeboard
—Water levels
Wave height
—Waves (water)
—Wind (meteorology)

Fiberboards 1112
BT —Building materials
—Construction materials
—Materials
RT —Fibers
Paper
—Wood

Fiber crops 0204
BT —Agronomic crops
—Crops
—Dicots
—Field crops
—Horticultural crops
—Plants (botany)
NT Cotton
RT Fibers (plant)
Plant groupings

Fibers 1105
NT Fibers (plant)
Glass fibers
Rayon
Synthetic fibers
RT Asbestos
—Composite materials
Fiberboards
Filaments
—Materials
Paper
Reeds
—Reinforcing materials
Textiles

Fibers (plant) 1105
BT —Fibers
—Plant tissues
—Vascular tissues
RT Bark
Cellulose
Cotton
—Fiber crops
—Lignins
Lumber
Phloem
Pulp wastes
Reeds
Textiles
—Wood
—Xylem

Field capacity 0808.1
RT Capillary action
—Capillary water
—Moisture content
Retention
—Soil moisture

Field classifications 1407
BT —Classifications
RT Field data
—Field investigations
—Geologic investigations
Soil classifications
Soil investigations
Visual classifications

Field control 1407
BT —Control
RT Bench marks
Concrete control
—Construction
—Construction control
—Control equipment
Critical path method
Field data
—Field investigations
Field laboratories
—Field tests
—Inspection
—Quality control
Specifications
—Surveying

Field crops 0204
BT —Crops
—Plants (botany)
NT —Agronomic crops
Alfalfa
Alsike clover
Asparagus
Bahiagrass
Barley
Beans
Bromegrass
Carrots
—Cereal crops
Coastal bermudagrass
Corn (field)
Cotton
Crimson clover
Dallisgrass
Fescues
—Fiber crops
—Forage grasses
—Forage legumes
Forage mixtures
—Forages
Grama grasses
Hay
Ladino clover
Lettuce
Oats
—Oilseed crops
Onions
Orchardgrass
Peanuts
Perennial ryegrass
Potatoes
—Range grasses
Red clover
Rice
Sorghum
Soybeans
Sudangrass
Sugar beets
Sugarcane
—Sugar crops
Sweet corn
Sweet potatoes
Switchgrass
Tobacco
Tomatoes
—Vegetable crops
Vetch
Wheat
Wheatgrasses
RT —Horticultural crops
—Ornamentals
Plant groupings

Field data 1407
UF On-site data collections
BT —Information
RT Data collections
Design data
Experimental data
Field classifications
Field control
—Field investigations
Field laboratories
—Field tests
—Geologic investigations
Hydrologic data
Plate load tests
Soil investigations
Structural behavior
—Surveying
—Surveys
—Tables (data)
Vane shear tests

Field density 1407
BT —Density
—Physical properties
RT —Densimeters
Dry density
—Field tests
In place density
—In situ tests
Nuclear density meters
Penetration tests
Rapid compaction control
Relative density
Undisturbed samples
Wet weight

Field investigations 1402
UF On-site investigations
BT —Investigations
NT —Field permeability tests
—Field tests
Plate load tests
Ponding tests
Thiem test
RT Design data
Drilling fluids
—Evaluation
—Exploration
Field classifications
Field control
Field data
Field laboratories
Foundation investigations
—Geologic investigations
—In situ rock
—Inspection
Jacking tests
—Mapping
Preliminary investigations
Project planning
Prototype tests
—Quality control
Right-of-way
—Sampling
Soil investigations
Terrain analysis
Vane shear tests
Visual classifications
Water sampling

Field laboratories 1402
UF Movable laboratories
On-site laboratories
BT —Facilities
—Laboratories
—Test facilities
RT Concrete control
—Construction control
—Control equipment
—Environmental tests
Field control
Field data
—Field investigations
—Field tests
—Inspection
Laboratory equipment
Laboratory tests
Mobile equipment
—Quality control
—Test equipment

Field permeability tests 1402
BT —Field investigations
—Field tests
—In situ tests
—Materials tests
—Permeability tests

Field permeability tests (Con.)
  –Tests
NT Thiem test
RT –Drawdown
  Groundwater flow
  Groundwater management
  –Investigations
  Observation wells
  Percolation
  Permeability
  Ponding tests
  Pumping tests (wells)
  Pump tests

Fields (cultivated)
USE Cultivated lands

Field tests 1402
UF On-site tests
BT –Field investigations
  –Tests
NT –Field permeability tests
  Foundation bearing tests
  –In situ tests
  Jacking tests
  –Permeability tests
  Plate load tests
  Ponding tests
  Thiem test
RT Acceptance tests
  Compaction tests
  Concrete tests
  –Construction control
  Design data
  –Dynamic tests
  –Environmental tests
  Exposure tests
  Fatigue tests
  Field control
  Field data
  Field density
  Field laboratories
  Filter tests
  Flat jack method
  Foundation investigations
  Friction tests
  In place density
  –Investigations
  Laboratory tests
  –Materials tests
  Nuclear density meters
  Nuclear moisture meters
  Penetration tests
  Pile tests
  Prototype tests
  Pull-out tests
  Pumping tests (wells)
  –Quality control
  Rapid compaction control
  –Research and development
  Salt velocity method
  Seismic tests
  –Shear tests
  –Soil tests
  Test canals
  –Test equipment
  Test fills
  Test piles
  Test pits
  Test procedures
  Vane shear tests
  Weathering

Filamentous fungi
USE Molds

Filaments 1106
RT –Electrodes
  Electron tubes
  –Fibers
  –Wire

Fill dams
USE Earth dams

Fillers 1104
NT Joint fillers
RT –Additives
  –Pigments
  –Reinforcement
  –Sealants
  Sealing compounds

Fillet welds 1305
BT –Welds
RT –Fasteners
  –Joints (connections)
  Welded joints
  –Welding

Fills 1302 1313
NT Backfills
  –Earthfill
  Hydraulic fills
  Landfills
  Rock fills
  Rolled fills
  Test fills
RT –Borrow areas
  Borrow materials
  Borrow pits
  –Canals
  Compacted soils
  –Compaction
  Dikes
  –Earth dams
  –Earth handling equipment
  –Earth materials
  Earthmoving
  –Earthworks
  –Embankments
  Hydraulic fill dams
  Levees
  Lifts (construction)
  Overhaul
  Roadbanks
  Road construction
  Road design
  Rockfill dams
  –Slope stability
  Slope stabilization
  Soil compaction
  Stockpiling
  Tamping rollers
  Zoned embankments

Films 0704 1103
NT Monomolecular films
  Thin films
RT Adsorbed water
  –Adsorption
  –Boundary layer
  –Coatings
  Evaporation retardants
  High speed photography
  –Linings
  –Membranes
  –Photography
  –Plastics
  Polyethylene
  –Protective coatings

Filtering systems
USE Filters

Filters 1311
UF Filtering systems
NT Air filters
  Electromagnetic wave filters
  –Fluid filters
  Inverted filters
  Meus-membrane filters
  Trickling filters
  Well filters
RT Biological membranes
  –Blankets
  Diatomaceous earth
  –Drainage
  Drainage systems
  –Drains
  Farm equipment
  Filter stones
  Filter tests
  Filtration
  –Gravels
  –Intakes
  –Membranes
  Particle shape
  Particle size
  –Pervious blankets
  Porous media
  Sand drains
  Screening
  –Screens
  Sieves
  Toe drains
  Transition zones
  Trickle irrigation
  Underdrains
  Well screens
  Zoned embankments

Filters (electromagnetic)
USE Electromagnetic wave filters

Filters (fluid)
USE Fluid filters

Filters (sewage)
USE Sewage treatment

Filter stones 1311
RT Bubbling pressure
  Capillary tubes
  –Filters
  –Fluid filters
  –Piezometers
  –Porous materials

Filter tests 1402
BT –Tests
RT –Field tests
  –Filters
  –Fluid filters
  Laboratory tests
  Permeability
  –Soil tests

Filtration 0704
BT –Separation techniques
RT –Beneficiation
  Centrifugation
  Dewatering
  –Extraction
  –Filters
  –Fluid filters
  –Osmosis
  Pit recharge
  Precipitation (chemistry)
  –Sewage treatment
  Sewage treatment plants
  –Sewage works
  Waste water treatment
  Water filters
  Water pollution treatment
  –Water purification
  –Water treatment
  Water treatment plants
  Well filters

Filtration (water)
USE Water filters

Filtration plants (sewage)
USE Sewage treatment plants

Finance 0503
UF Funding
  Funds
RT Allotments
  Budgeting
  –Budgets
  Capital
  –Costs
  Credit
  Depreciation
  Economic efficiency
  Financial feasibility
  Financing
  Government finance
  Grants
  Interest (finance)
  Investment
  Loans
  Participating funds
  Principal
  –Profit

Financial analysis 0503
BT –Analytical techniques
RT –Benefits
  Budgeting
  Cost comparisons
  –Costs
  Engineering costs
  Government finance
  –Income
  Interest (finance)
  Investment
  –Profit
  Unit costs

Financial feasibility 0503
BT –Feasibility
RT Budgeting
  Economic feasibility
  Finance
  Financing
  Monetary benefits
  Optimum development plans
  –Planning
  Project feasibility

Financing 0503
RT Allotments
  Budgeting
  Capital
  Commerce
  –Costs
  Credit
  Economic efficiency
  Engineering costs
  Engineering economy
  Finance
  Financial feasibility
  Government finance
  Grants
  Interest (finance)
  Investment
  Liabilities
  Loans
  –Management
  –Marketing
  Participating funds
  –Planning
  Principal
  Project life
  –Regulations
  Revenues

Fin clipping
USE Marking techniques

Fine aggregates 1303
BT –Aggregates
  –Construction materials
RT Coarse aggregates
  Cohesionless soils
  –Concrete technology
  Crushed stone
  –Fines
  Grain sizes
  –Granular materials
  Laitance
  Sand pits
  –Sands
  Selected materials
  Soil aggregates

Finegrained soils 0807
BT –Earth materials
  –Materials
  –Soils
  –Soil types
NT Adobe
  Bentonite
  –Clays
  –Expansive clays
  Kaolin
  Marine clays
  Organic clays
  Organic silts
RT Cohesive soils
  Compressible soils
  –Expansive soils
  –Fines
  –Fine-textured soils
  Grain sizes
  Impervious soils
  Rapid compaction control
  Relative consistency
  Rock flour
  –Silts
  Vane shear tests

Fines 1407
NT Adobe
  –Clays
  –Expansive clays
  Marine clays
  Organic clays
  Organic silts
  Quick clays
RT –Aggregates
  Cohesive soils
  –Colloids
  –Earth materials
  Fine aggregates
  –Finegrained soils
  –Fine-textured soils
  Gradation
  Grain sizes
  –Granular materials
  Laitance
  Particles
  Particle size
  Powders
  Rock flour
  –Sands
  Screening
  Sieve analysis
  –Silts
  Soil components

Fine-textured soils 0807
BT –Soil types

Fine-textured soils (Con.)
NT –Clays
Rock flour
RT –Earth materials
–Finegrained soils
–Fines
–Silts
Soil texture

Fingerlings
USE Fry

Finishes 1103
NT Coal-tar epoxy paints
Enamels
Lacquers
–Paints
Varnishes
RT Blistering
–Coatings
–Finishing
Plating
Primers (coatings)
–Protective coatings
–Sealants
–Surface properties
–Surfaces
Surface sealing
Waxes

Finishing 1308
NT Concrete finishing
RT Cleaning
–Cutting
–Drying
–Finishes
Grinding
–Heat treatment
Machining
Painting
–Protective coatings
Surface preparation

Finite difference method 1201
BT –Analysis
–Mathematical studies
–Numerical analysis
RT Approximation method
Computer models
Computer programming
–Differential equations
Finite differences
–Mathematical analysis
Matrix algebra
Matrix methods (structural)
–Mechanics

Finite differences 1201
UF Differences (finite)
BT –Mathematical analysis
–Mathematics
RT –Analysis
Approximation method
–Calculus
Computer programming
–Differential equations
Finite difference method
–Mathematical studies
Matrix algebra
–Mechanics
–Numerical analysis

Finite element method 2011
BT –Analysis
–Mathematical studies
–Numerical analysis
RT Approximation method
Computer models
Computer programming
–Differential equations
–Mathematical analysis
–Mathematical models
Matrix algebra
Matrix methods (structural)
–Mechanics
Nodes
Rigid boundaries
Stress analysis

Fins 2004
RT Aerodynamics
Air circulation
Blades
–Cooling
Cooling towers
Guide vanes
Heat exchangers
Heat transfer
–Vanes

Fire alarm systems 1312
UF Alarm systems (fire)
BT –Warning systems
RT Fires
Fire safety
–Safety
–Sensors

Fire extinguishers 1312
RT Fires
Fire safety

Fire prevention
USE Fire safety

Fire protection
USE Fire safety

Fires 1312
RT –Accidents
Combustion
–Explosions
–Explosives
Fire alarm systems
Fire extinguishers
Fire safety
Fire walls
Flames
–Hazards
–Safety
Sparks

Fire safety 1312
UF Fire prevention
Fire protection
BT –Safety
RT Building codes
Fire alarm systems
Fire extinguishers
Fires
Fire walls

Fire walls 1313.5
BT –Walls
RT Building codes
Building design
Fires
Fire safety

Firm energy 0903
BT –Energy
RT –Electric power
Electric power demand
–Electric power production
Generating capacity
Hydroelectric power
Power dispatching
Power marketing
Power system operations

Firn 0402
UF Neve
BT –Groundwater sources
–Precipitation (atmospheric)
–Snow
RT –Compaction
Glaciers
–Ice
Slush
Snowpacks

First aid 0605
RT –Accidents
Drowning
Medicine
Resuscitation
–Safety

First in time, first in right
USE Priorities

First order surveys 0802
UF Precise surveys
BT –Surveys
RT Accuracy
Data collections
Design data
–Plane surveying
Topographic surveys

Fir trees 0206 0603.1
UF Abies (species unspecified)
BT –Coniferous trees
–Conifers
–Gymnosperms
–Plants (botany)
–Trees
NT Balsam fir trees
Grand fir trees
Noble fir trees
Pacific silver fir trees
White fir trees
RT Coniferous forests

Fish 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Wildlife
NT Ammocetes
Anadromous fish
Atlantic menhaden
Atlantic salmon
Bass
Bottom fish
Brackish-water fish
Brook trout
Brown trout
Buffalo fishes
Bullheads
Carp
Carpsucker
Catadromous fish
–Catfishes
Cavefishes
Channel catfish
Chinook salmon
Chum salmon
–Cichlids
Cisco
–Cold-water fish
Commercial fish
Cutthroat trout
Darters
Desmersal fishes
Eels
–Elasmobranches
Forage fish
–Freshwater fish
Fry
Gars
–Herrings
–Juvenile fishes
Killifishes
Lake trout
–Lampreys
Livebearers
Low-latitude fishes
Madtoms
–Marine fish
Minnows
Morays
Mullets
–Pan fish
–Perches
Pikes
Pile perch
Pink salmon
Prey fish
Rainbow trout
Roanoke bass
Rock bass
Rough fish
–Saline water fish
–Salmon
–Salmonids
Sauger
Sculpins
–Sea basses
Sharks
Shiners
Silversides
Smelts
Smolt
Sockeye salmon
Sport fish
Sticklebacks
Striped bass
–Suckers
–Sunfishes
Tilapia
–Trout
Walleye
White bass
White perch
White seaperch
Yellow bass
Yellow perch
RT Animal groupings
Aquaria
–Biology
Dystrophy
Eutrophication
Fish attractants
Fish barriers
Fish behavior
Fish conservation
–Fish control agents
Fish diets
Fish diseases
Fish eggs
–Fisheries
Fish establishment
Fish farming
Fish food organisms
Fish genetics
Fish guiding
Fish handling facilities
Fish hatcheries
–Fishing
Fishkill
Fish management
Fish migration
Fish parasites
Fish passages
Fish physiology
Fish populations
Fish repellents
Fish sterilants
Fish stocking
Fish taxonomy
Fish toxins
Fish types
Fishways
–Larvae
Number fish per acre
Oligotrophy
Piscicides
Pounds fish per acre
–Predation
Schools (fish)

Fish and wildlife 0603
RT –Animals
–Big game
–Biology
–Ecology
–Fishing
Fish management
Fishways
Food and cover crops
–Freshwater fish
Habitat improvement
Hunting
–Migratory birds
Multiple purpose projects
Multiple purpose reservoirs
Non-migratory birds
Preservation
Project benefits
River basin development
–Saline water fish
–Small game
Stream improvement
Vegetation effects
–Waterfowl
–Wildlife conservation
–Wildlife management

Fish attractants 0603.2
BT –Attractants
–Fish control agents
RT –Fish
Fish management

Fish barriers 1313.1
BT –Barriers
RT –Concrete structures
–Dams
Electrical shocking gear
–Engineering structures
–Fish
Fish handling facilities
Fish migration
Fish passages
Fish screens
Fishways
–Hydraulic structures
Shock (physiology)
Spawning channels

Fish behavior 0603.2
BT –Animal behavior
–Behavior
RT –Aquatic environment
–Aquatic habitats
–Fish
Fish guiding
Fish passages
Fish screens
Fishways
Food habits
–Migration
–Reproduction (biology)
Schools (fish)
Social behavior

Fish conservation 0603.2
BT –Conservation
–Resource conservation
–Wildlife conservation
RT –Fish
Fish establishment
Fish management
Fish stocking
Selective level releases
Water conservation

Fish control agents 0606
NT Fish attractants
Fish repellents
Fish sterilants
Piscicides
Rotenone
RT –Animal control
Antimycin A
–Attractants
–Fish
–Fisheries
Fish hatcheries
Fish management
Fish physiology
Fish screens
–Repellents

Fish diets 0616
BT –Diets
RT –Fish
Fish food organisms
Fish management
Fish populations

Fish diseases 0603.2
UF Fish pathology
BT –Animal diseases
–Diseases
RT Animal pathology
–Fish
Fishkill
Fish parasites
Nutrient requirements
Pathogenic fungi
–Pest control
Zoonoses

Fish eggs 0603.2
BT –Eggs
–Growth stages
RT –Fish
Fish reproduction
Fish stocking
Fry

Fish environment
USE Aquatic environment

Fisheries 0603.2
NT Estuarine fisheries
Lake fisheries
Marine fisheries
Reservoir fisheries
Stream fisheries
RT Commercial fishing
–Ecology
Fertilization
–Fish
–Fish control agents
Fish hatcheries
–Fishing
Fish management
–Migration

Fish establishment 0606
UF Immigration (fish)
RT –Aquatic habitats
Creel census
–Environmental effects
–Fish
Fish conservation
Fish harvest
Fishkill
Fish management
Fish migration
Fish populations
Fish reproduction
Fish stocking
Life history studies
Mortality
Spawning
Spawning channels

Fish farming 0801
UF Fish-rice rotations
Fish rotations
Rice-fish rotations
Water farming
BT –Aquiculture
RT Aquatic productivity
Aquatic soils
Farm ponds
–Farms
Fertilization
–Fish
Fish harvest
Fish hatcheries
Fish management
Fish populations
Fish stocking
Number fish per acre
Pounds fish per acre
Rice
Rotation

Fish food organisms 0603.2
RT –Aquatic algae
–Aquatic insects
–Fish
Fish diets
Food chains
Food pyramids
Food webs
Fry
Nutrient requirements
–Phytoplankton
–Plankton
–Zooplankton

Fish genetics 0603.2
BT –Genetics
RT –Fish
Fish reproduction

Fish guiding 0606
BT –Animal control
–Control
RT Electrical shocking gear
–Fish
Fish behavior
Fish handling facilities
Fish ladders
Fish management
Fish migration
Fish passages
Fishways
Shock (physiology)

Fish handling facilities 1313.1
BT –Facilities
RT Canneries
Commercial fishing
–Dams
Electrical shocking gear
–Fish
Fish barriers
Fish guiding
Fish hatcheries
Fish ladders
Fish management
Fish migration
Fish passages
Fish screens
Fish stocking
Fishways
Shock (physiology)

Fish harvest 0503
RT Commercial fish
Creel census
Fish establishment
Fish farming
–Fishing
Fish populations
–Harvesting
Number fish per acre
Pounds fish per acre
–Regulation
Sport fish

Fish hatcheries 0603.2
RT –Fish
–Fish control agents
–Fisheries
Fish farming
Fish handling facilities
Fish management
Fish parasites
–Reproduction (biology)
Selective level releases

Fishing 0503 0511
UF Angling
NT Bait fishing
Cold-water fishing
Commercial fishing
Electro-fishing
Fly fishing
Ice fishing
Sport fishing
Surf-casting
Trawling
Warm-water fishing
RT Baits
Creel census
Farm ponds
–Fish
Fish and wildlife
–Fisheries
Fish harvest
Fishing gear
–Nets
Project benefits
–Recreation
Sport fish
–Water sports
–Water utilization

Fishing gear 0511
RT Bait fishing
Baits
Commercial fishing
Electrical shocking gear
Electro-fishing
–Fishing
Fly fishing
Ice fishing
–Nets
Sport fishing
Surf-casting
–Water sports

Fishkill 0503
RT Anaerobic conditions
Eutrophication
–Fish
Fish diseases
Fish establishment
Fish parasites
–Freezing
Morbidity
Mortality
Pesticide residues
Pesticide toxicity
–Predation
Water pollution effects
–Wildlife conservation

Fish ladders 1313.1
RT –Dams
Electrical shocking gear
–Entrances (fluid flow)
Fish guiding
Fish handling facilities
Fish management
Fish migration
Fish passages
Fish screens
Fishways
Shock (physiology)
Spawning channels

Fish management 0603.2
BT –Management
RT Aquaria
–Ecology
–Environmental effects
Farm ponds
Fertilization
–Fish
Fish and wildlife
Fish attractants
Fish conservation
–Fish control agents
Fish diets
–Fisheries
Fish establishment
Fish farming
Fish guiding
Fish handling facilities
Fish hatcheries
Fish ladders
Fish migration
Fish passages
Fish repellents
Fish reproduction
Fish screens
Fish sterilants
Fish stocking
Fishways
Fry
Non-consumptive use
Nutrient requirements
–Productivity
Reasonable use
–Regulation
–Reservoir operation
–Reservoirs
–Riparian rights
–Water policy
–Wildlife management

Fish migration 0603.2
BT –Migration
RT Anadromous fish
Catadromous fish
–Fish
Fish barriers
Fish establishment
Fish guiding
Fish handling facilities
Fish ladders
Fish management
Fish passages
Fishways
Life history studies
Schools (fish)
Spawning channels

Fish parasites 0603.2
BT –Animal parasites
–Parasites
RT Animal pathology
Epizootiology
–Fish
Fish diseases
Fish hatcheries
Fishkill
Fish populations
–Lampreys
–Pest control

Fish passages 1313.1
RT Anadromous fish
–Concrete structures
–Dams
–Engineering structures
–Fish
Fish barriers
Fish behavior
Fish guiding
Fish handling facilities
Fish ladders
Fish management
Fish migration
Fish screens
Fishways
–Intakes
–Intake structures
–Reservoirs
Spawning channels

Fish pathology
USE Fish diseases

Fish physiology 0616
BT –Animal physiology
RT –Environmental effects
–Fish
–Fish control agents
Fish reproduction
Fish toxins
–Growth stages
Oxygen sag
Pesticide residues

Fish populations 0603.2
BT –Aquatic populations
–Population
RT Creel census
–Fish
Fish diets
Fish establishment
Fish farming
Fish harvest
Fish parasites
Number fish per acre
Yield equations

Fish predators
USE Predation

Fish repellents 0606
BT –Fish control agents
–Repellents
RT –Fish
Fish management
Sharks

Fish reproduction 0603.2
BT –Reproduction (biology)
RT Fish eggs
Fish establishment
Fish genetics
Fish management

Fish reproduction (Con.)
Fish physiology
Fry
–Life cycles
Life expectancy
Spawning
Spawning channels

Fish-rice rotations
USE Fish farming

Fish rotations
USE Fish farming

Fish screens 1313.1
BT –Screens
RT –Debris barriers
Fish barriers
Fish behavior
–Fish control agents
Fish handling facilities
Fish ladders
Fish management
Fish passages
Fishways
Headworks

Fish sterilants 0603.2
BT –Fish control agents
–Sterilants
RT –Fish
Fish management
Piscicides

Fish stocking 0603.2
BT –Stocking
RT –Fish
Fish conservation
Fish eggs
Fish establishment
Fish farming
Fish handling facilities
Fish management
Fry
Number fish per acre

Fish taxonomy 0603.2
BT –Systematics
RT –Fish

Fish toxins 0616
(toxins produced by fish)
BT –Chemicals
–Poisons
–Toxins
RT –Fish
Fish physiology
Public health
Red tide

Fish types 0603.2
Use of a more specific term is recommended
RT Anadromous fish
Animal groupings
–Animals
–Aquatic animals
Bottom fish
Brackish-water fish
Catadromous fish
–Cold-water fish
Commercial fish
Desmersal fishes
–Elasmobranches
–Fish
–Freshwater fish
Low-latitude fishes
–Marine fish
–Pan fish
Prey fish
Rough fish
–Saline water fish
Sport fish
Warm-water fish

Fishways 1313.1
BT –Hydraulic structures
RT Anadromous fish
–Concrete structures
–Dams
Diversion structures
Electrical shocking gear
–Fish
Fish and wildlife
Fish barriers
Fish behavior
Fish guiding
Fish handling facilities
Fish ladders
Fish management
Fish migration
Fish passages
Fish screens
–Intakes
Shock (physiology)

Fission (nuclear)
USE Nuclear reactions

Fissured clays
USE Clays

Fissures 1113
RT Cavities
Cleavage
Cracking
–Cracks
Crazing
–Fissures (geology)
–Fractures
Underground openings

Fissures (geology) 0807
BT –Geologic structures
NT Joints (geology)
RT Cleavage
–Cracks
Crevasses
Faults (geology)
Fissures
Folds (geology)
–Fractures
Fractures (geology)
Structural geology

Fittings 1305
NT Compression fittings
Hose fittings
Pipe fittings
RT Adapters
–Closures
Collars
Connectors (mechanical)
–Couplings
–Fasteners
Flanges
Flexible tubing
–Joints (connections)
–Mechanical fasteners
–Welding

Fixed-bed models 1402
BT –Hydraulic models
–Models
–Model studies
RT –Canals
–Channels
Movable bed models
Rigid boundaries
–Rivers

Fixed boundaries
USE Rigid boundaries

Fixed costs 1401
BT –Costs
RT Capital
Construction costs
Electric power costs
Indirect costs
Operating costs
Overhead costs
Variable costs

Fixed structures 1313.5
BT –Structures
RT –Frames
–Joints (connections)
Rigid frames
–Trestles
–Trusses

Fixed wheel gates 1313.7
BT –Gates
–Hydraulic gates
RT Bulkhead gates
Coaster gates
–Fluid mechanics
Gate control
High pressure gates
–Hoisting machinery
Intake gates
Radial gates
Roller gates
Roller-mounted gates
Sector gates
Spillway gates

Fjords 0807
BT –Land forms
RT Coasts
Geomorphology
–Glacial geology
Glaciers
Inlets (waterways)
Oceans
–Regions
Sea level

Flame photometry 1402
BT –Analysis
–Analytical techniques
–Chemical analysis
–Optical measurement
–Photometry
RT Colorimetry
Flames
–Optical properties
Photometers
Qualitative analysis
Spectrophotometry

Flames 2102
RT Combustion
Fires
Flame photometry

Flame sprays
USE Metal coatings

Flammability 2102
RT Combustion

Flanges 1313
RT Adapters
–Bolts
Connectors (mechanical)
–Couplings
–Fasteners
–Fittings
–Joints (connections)
Pipe fittings
Pipe joints
Plate girders
–Plates
Structural steel
–Welding

Flap valves 1311
BT –Hydraulic valves
–Valves
RT Butterfly valves
Canal linings
Check valves
–Drainage
–Lined canals

Flashboards 1313.1
RT –Check structures
Chute spillways
–Dams
Freeboard
Movable dams
–Outlet works
Shaft spillways
Side channel spillways
Spillway piers
–Spillways
Stop logs

Flash distillation 1302.5
BT –Distillation
–Separation techniques
NT Multistage flash distillation
RT –Demineralization
–Desalination
Desalination processes
Flash evaporators

Flash evaporators 1302.5
BT –Equipment
–Evaporators
RT –Demineralization
–Desalination
–Flash distillation
Multistage flash distillation

Flash floods 0808
BT –Floods
RT Flood control
Flood damage
–Rainfall
Rainfall intensity
Sheet floods
Thunderstorms

Flash freezing 1302.5
BT –Freezing
RT Desalination processes

Flashover 2003
BT –Electric current
–Electric discharges
RT –Electrical faults
Electric arcs
–Electric power failure
–Failure
Leakage current
Structural steel
Withstand level (electric)

Flat jack method 0807.1 1402
RT –Field tests
–In situ tests
Jacking
Jacking tests
–Jacks (mechanical)
Loading tests
Rock competency
Rock foundations
–Test equipment

Flat plates 1313.5
BT –Plates
RT Gusset plates
Liner plates
Plane structures
–Steel plates
Thick plates
Thin plates

Flat surfaces 1407
BT –Surfaces
RT –Geometric shapes
Grading (earthwork)
Plane structures
–Roughness

Flavor
USE Taste

Flexibility 2012
UF Flexure
BT –Mechanical properties
RT Bending
Deflection
Ductility
Elasticity (mechanical)
Flexural strength
Hinged structures
–Plasticity
Rigidity
Stiffness
Workability

Flexible couplings 1305
UF Flexible joints
Joints (flexible)
BT –Couplings
RT Clutches (mechanical)
Connectors (mechanical)
Hinged structures
Hose fittings
Pin connected joints
Pipe fittings
Power transmission (mechanical)
–Shafts (machinery)
Universal joints

Flexible footings
USE Flexible foundations

Flexible foundations 1313.6
UF Flexible footings
BT –Foundations
RT Backfills
Bearing values
Building codes
Differential settlement
Displacements
–Footings
Foundation bearing tests
Grillage footings
Pile foundations
–Piles (foundations)
–Rigid foundations
Slabs
Soil mechanics
Spread footings
Spread foundations
–Structures

Flexible joints
USE Flexible couplings

Flexible linings 1303
BT –Linings
RT Asphalt membranes
–Blankets
Buried membranes
Canal linings
–Canals
Canal seepage
–Membranes
Reservoir leakage
–Reservoirs
–Rigid pavements
Seepage control
Water seals
Water stops

Flexible pavements 1302.4
BT –Pavements
RT –Asphalts
California bearing ratio
Concrete pavements
Highway engineering
–Highways
–Rigid pavements
Road design
–Roads
Runways
Seal coat

Flexible pipes 1311
BT –Closed conduits
–Conduits
–Pipes
RT Flexible tubing
Hose fittings
Hoses
–Irrigation systems
Pipe bends
Pipe fittings

Flexible shafts 1309
BT –Shafts (machinery)
RT –Machine tools
Power transmission (mechanical)

Flexible tubing 1311
BT –Closed conduits
–Conduits
–Tubes
RT Compression fittings
–Fittings
Flexible pipes
Hose fittings
Hoses
–Metals
Plastic tubing
Pressure tests
–Rigid tubing
Rubber tubing
–Supports

Flexural strength 2012
BT –Mechanical properties
–Strength
RT –Beams (structural)
Bending
Bending moments
Bending stress
Columns
Concrete properties
Deflection
Flexibility
–Physical properties
Rigidity
Stiffness
Strength of materials
Structural behavior
–Structural design

Flexure
USE Flexibility

Flip buckets 1313.1
UF Buckets (flip)
BT –Engineering structures
–Hydraulic structures
RT Closed conduit spillways
Control structures
–Energy dissipation
Energy dissipators
Morning glory spillway
–Outlet works
Scour
Ski-jump spillways
–Spillways
Stilling basins

Floatable streams
USE Navigable waters

Floating 1407
RT Buoyancy
Buoys
–Floating plants
Floats
–Flotation
Flotsam
Hydrometry
–Plankton

Floating ice 0812
BT –Ice
RT Frazil ice
Icebergs
Ice breakup
Iced lakes
Ice jams
Ice-water interfaces
Lake ice
Melting
Sea ice

Floating plants 0603.1
BT –Aquatic life
–Aquatic plants
–Plants (botany)
NT Alligatorweed
–Floating weeds
–Pondweeds
Sago pondweed
Water hyacinth
RT –Amphibious plants
–Aquatic algae
–Aquatic microorganisms
–Aquatic weeds
Floating
Fouling
–Plankton
Plant groupings
–Submerged plants
–Submersed weeds

Floating weeds 0603.1
BT –Aquatic life
–Aquatic plants
–Aquatic weeds
–Floating plants
–Plants (botany)
–Weeds
NT Alligatorweed
Water hyacinth
RT –Submersed weeds

Floats 1310
RT Buoys
Cork
Farm equipment
Floating
Liquid level gages
Pontoons
–Water levels
Water stage recorders
Watertight

Float wells 1313.1
RT Automatic control
–Discharge (water)
–Hydraulic gates
Liquid level gages
Stilling wells
Streamflow records
Stream gaging station
–Water measurement
Water stage recorders

Flocculants 1107
BT –Chemicals
RT Coagulants
Deflocculants
–Dispersants
Flocculation
Precipitation (chemistry)

Flocculation 0701
RT Coagulation
Coalescence
–Colloids
Concentration
Desilting
Dispersion
Electrokinetic potential
Flocculants
Flocculation basins
–Flotation
Precipitation (chemistry)
–Sedimentation
–Separation
–Sewage treatment
Soil texture
Water treatment plants

Flocculation basins 1302.1
RT Flocculation
Sedimentation tanks
–Settling basins

Flood control 1302.3
UF Flood prevention
BT –Control
RT –Abatement
Channel improvements
Channel protection
Check dams
Chutes
Chute spillways
Closed conduit spillways
Cutoffs
–Dams
Design flood
Detention reservoirs
Dikes
Diversion
Diversion structures
Drainage systems
–Drawdown
–Erosion control
Farm ponds
Flash floods
Flood damage
Flood forecasting
Flood hydrology
Flood plains
Floodproofing
Flood protection
Flood routing
–Floods
Floodways
–Flow control
Geologic control
Hydraulic engineering
–Hydraulic structures
–Hydrology
Hydrometeorology
–Land forming
Large watersheds
Levees
Multiple purpose projects
Multiple purpose reservoirs
Multiple purpose structures
Non-structural alternatives
Peak runoff
Project benefits
Reasonable use
–Reservoir operation
–Reservoirs
Reservoir surveys
Retention dams
River basin development
River basins
River forecasting
–River regulation
–Runoff
Spillway capacity
Terraces
Terracing
–Warning systems
Water distribution (applied)
–Water management (applied)
–Water policy
–Water resources management
Watershed management
–Watersheds (basins)
–Weather modification

Flood damage 1302.3
BT –Damages
RT Building codes
Dam breaches
Design flood
–Erosion
Flash floods
Flood control
Flood estimate
–Flooding
Flood plain insurance
Flood protection
–Floods
Flood waves
Historic flood
Maximum probable flood
Overflow
Overtopping
Regional flood

Flood estimate 0808
RT Flood damage
Flood forecasting
Flood frequency
Flood hydrology
Flood plain regulation
Flood plain studies
Flood routing
–Floods
Flood stages
–Hydrology
–Precipitation (atmospheric)
–Rainfall
Reservoir design
–Streamflow
–Watersheds (basins)

Flood forecasting 0808
UF Flood prediction
BT –Forecasting
RT Annual floods
Flood control
Flood estimate
Flood frequency
Flood hydrographs
Flood hydrology
Flood plain regulation
Flood plain studies
Flood protection
Flood routing
–Floods
Hydrograph analysis
–Hydrology
Hydrometeorology
Large watersheds
Maximum probable flood
Peak runoff
–Precipitation (atmospheric)
Probable maximum precipitation
–Rainfall
Rainfall-runoff relationships
Regional flood
Reservoir design
River basins
River currents
River forecasting
–River regulation
–Runoff
–Warning systems
–Watersheds (basins)
–Water supply forecasting

Flood frequency 0808
RT Annual floods
Flood estimate
Flood forecasting
Flood hydrographs
Flood hydrology
Flood plain regulation
Flood plain studies
–Rainfall
Storm runoff
–Storms
–Streamflow
–Watersheds (basins)

Floodgates 1313.7
BT –Gates
–Hydraulic gates
RT –Concrete structures
Control structures
Diversion structures
Drum gates
Emergency closures
Flood protection
–Hoisting machinery
Radial gates
Roller gates
Roller-mounted gates
Slide gates
Sluice gates
Sluices
Stoney gates

Flood hydrographs 0808
BT –Hydrographs
RT Depth-area-duration analysis
Design flood
Design storm
Drainage basins
Flood forecasting
Flood frequency
Flood hydrology
Flood peaks
Flood plain regulation
Flood plain studies
Flood routing
–Floods
Flood stages
Flood waves
–Hydrology
Peak discharge
Peak runoff

Flood hydrographs (Con.)
–Rainfall
Rainfall intensity
–Runoff
Snowmelt
Spillway design flood
Time lag
Time of concentration

Flood hydrology 0808
BT –Hydrology
RT Annual floods
Flood control
Flood estimate
Flood forecasting
Flood frequency
Flood hydrographs
–Floods
Flood stages
–Rainfall
Storm runoff
–Storms
–Watersheds (basins)
Water stage recorders

Flooding 0808.1
(includes only intentional inundation)
UF Intentional inundation
Water flooding (oil recovery)
NT Flood irrigation
RT Bedload movement
Flood damage
Floodwater
Groundwater recharge
Hydraulic mining
Injection
Marsh management
Oil reservoirs
Overflow
–Pest control
Ponding
Precooling
–Recharge
Saturation
Secondary recovery (oil)
Soaking
Submergence
–Surface irrigation
Water spreading
–Weed control
–Wetlands
Wetting
–Wildlife management

Flood irrigation 0203.1
BT –Distribution systems
–Flooding
–Irrigation
–Surface irrigation
RT Border irrigation
–Gravity irrigation
Water spreading

Floodlights
USE Lighting equipment

Flood peaks 0808
RT Design flood
Design flow
Design storm
Flood hydrographs
Flood routing
–Floods
Flood waves
–Hydrology
Peak discharge
Peak floods
Peak runoff
Rainfall intensity
–Runoff
Snowmelt
Spillway capacity
Spillway design flood
Time lag
Time of concentration

Flood plain insurance 0503
BT –Insurance
RT Flood damage
Flood plains
Flood protection

Flood plain regulation 0504
RT Flood estimate
Flood forecasting
Flood frequency
Flood hydrographs
Flood plains
Flood plain studies
Flood routing
Storm runoff
Watershed management
–Watersheds (basins)

Flood plains 0806
BT –Regions
RT Alluvial channels
–Alluvial deposits
Alluvial streams
Alluvium
Deltas
Deposition
Flood control
Flood plain insurance
Flood plain regulation
Flood plain zoning
Flood protection
–Floods
Floodways
Fluvial hydraulics
–Fluvial morphology
–Geologic deposits
Geomorphology
Meanders
–River flow
–Rivers
–Sedimentation
–Sediment deposits
Sediment production
–Sediments
Stream meandering
–Streams
–Zoning

Flood plain studies 0808
RT Flood estimate
Flood forecasting
Flood frequency
Flood hydrographs
Flood plain regulation
Storm runoff
Watershed management
–Watersheds (basins)

Flood plain zoning 1302.3
BT –Regulations
–Zoning
RT Beneficial use
Building codes
Flood plains
Flood protection
Flood routing
Floodways
Non-structural alternatives
Overflow
Overtopping
–Recreation facilities
River basin development
Water resources development
Water zoning

Flood prediction
USE Flood forecasting

Flood prevention
USE Flood control

Floodproofing 1302.3
RT Flood control
Flood protection
–Warning systems

Flood protection 1302.3
RT Annual floods
Channel design
Channel improvements
Channel protection
Dikes
Dredging
Flood control
Flood damage
Flood forecasting
Floodgates
Flood plain insurance
Flood plains
Flood plain zoning
Floodproofing
Flood routing
–Floods
Floodways
Levees
–Warning systems
Water spreading

Flood routing 1302.3
UF Lag methods
Puls method
BT –Routing
–Water management (applied)
RT Annual floods
Area capacity curves
–Channels
Dam design
–Discharge (water)
Flood control
Flood estimate
Flood forecasting
Flood hydrographs
Flood peaks
Flood plain regulation
Flood plain zoning
Flood protection
–Floods
Flood waves
Floodways
–Hydrographs
–Hydrology
Peak runoff
Reservoir design
–Reservoirs
Reservoir yield
River currents
River forecasting
–Runoff
Water control
–Water resources management
–Water storage

Floods 0808
UF Escape of water
Negligent inundation
NT Annual floods
Design flood
Flash floods
Historic flood
Maximum probable flood
Peak floods
Regional flood
Sheet floods
Spillway design flood
RT –Avalanches
Avulsion
Backwater
Bank storage
Blowouts
Chute spillways
Cloudbursts
Dam breaches
Dam failure
Degradation (stream)
Design flow
Disasters
–Discharge (water)
Drainage basins
Flood control
Flood damage
Flood estimate
Flood forecasting
Flood hydrographs
Flood hydrology
Flood peaks
Flood plains
Flood protection
Flood routing
Floodwater
Flood waves
Floodways
Flow duration
Fluvial hydraulics
–Hydraulics
–Hydrographs
Hydrologic budget
–Hydrology
Hydrometeorology
Overflow
Overland flow
Overtopping
Peak discharge
Peak runoff
–Precipitation (atmospheric)
Precipitation excess
Rain
Rain water
Rational formula
–River flow
–Running waters
–Runoff
Sand boils
Spilling
–Spillways
Storm runoff
–Storms
–Streamflow
Streamflow forecasting
Streamflow regulation
–Streams
Surface runoff
–Surface waters
–Water
Water injury
–Watersheds (basins)

Flood stages 0808
RT Flood estimate
Flood hydrographs
Flood hydrology
–Hydrology
Storm runoff
–Watersheds (basins)

Flood warning
USE Warning systems

Floodwater 1302.3
BT –Water types
RT Epidemics
–Flooding
–Floods
Overflow
Public health
–Runoff
–Sedimentation
Sediment production
Waste water

Flood waves 0808
BT –Waves
–Waves (water)
RT –Currents (water)
Design flood
Design storm
Flood damage
Flood hydrographs
Flood peaks
Flood routing
–Floods
Freeboard
–Hydrology
Peak discharge
–Rainfall
Rainfall intensity
–Runoff
–Surges
Time of concentration

Floodways 0808
BT –Channels
–Waterways
RT Bypasses
Channel design
Channel improvements
Control structures
–Conveyance structures
Diversion structures
–Engineering structures
Flood control
Flood plains
Flood plain zoning
Flood protection
Flood routing
–Floods
Levees
Shaft spillways
Side channel spillways
Ski-jump spillways
Spilling
Spillway capacity
Spillway design flood
–Spillways
Stream channels
Wasteways
Water control

Floors 1313.4
RT Bridge decks
Building codes
Building design
–Buildings
Slabs
–Structural design
Tiles
Transverse joints

Flora
USE Plants (botany)

Florida 0806
BT –Coastal plains
–Geographical regions
–States (geographical)

Flotation 1308
BT –Separation
NT Boule flotation
Froth flotation
RT –Beneficiation
Buoyancy

Flotation (Con.)
Coagulation
Floating
Flocculation
Foaming
Frothing
—Sedimentation
Sewage treatment plants
Submergence
Surface tension
Uplift pressure
—Water treatment

Flotsam 0803
BT —Aquatic drift
RT Buoyancy
Floating
Fouling
Jetsam
Law of the sea
Littoral materials
Littoral zone
Navigation
Tripton

Flow 2004
BT —Movement
NT Average flow
Axial flow
Base flow
Capillary action
—Channel flow
—Closed conduit flow
Converging flow
—Critical flow
Density-flow
Design flow
Flow around objects
—Fluid flow
Gradually varied flow
Groundwater flow
Groundwater movement
Incompressible flow
Laminar flow
Low flow
Natural flow
Non-Newtonian flow
Non-uniform flow
Open channel flow
Orifice flow
Overland flow
Percolation
Pipe flow
—Porous media flow
Potential flow
Pulsating flow
Regulated flow
Return flow
River currents
—River flow
Rotational flow
Saturated flow
Sheet flow
Soil water movement
Steady flow
Stratified flow
—Streamflow
Subcritical flow
Subsonic flow
Subsurface flow
Supercritical flow
Supersonic flow
Transient flow
Transition flow
Turbidity currents
Turbulent flow
Two-phase flow
Uniform flow
—Unsaturated flow
—Unsteady flow
Viscous flow
RT Air demand
—Aquifers
Baffles
Capillarity
Cavitation
—Conduits
Continuity equation
—Currents (water)
Darcys law
—Density
—Diffusion
—Discharge (water)
Dispersion
Energy equation
—Flow augmentation
Flow characteristics
—Flow control
Flow duration
Flow measurement
—Flowmeters
Flow nets
Flow profiles
Flow rates
Flow resistance
Flow separation
Fluid friction
—Fluid mechanics
—Fluids
Fluorescein
Free surfaces
—Friction
Hazen-Williams equation
Head losses
Headworks
Hydraulic design
Hydraulic properties
Hydraulic radius
—Hydraulics
—Hydrodynamics
—Hydrographs
—Hydrology
Hydrometry
Inflow
—Interfaces
Jets
—Kinetics
Kutter formula
—Leakage
Momentum equation
—Negative pressure
Nozzles
—Orifices
Permeability
Permeability coefficients
Pesticide kinetics
Piezometry
—Pipes
Porosity
Porous media
—Pumping
Rational formula
Regime
Reynolds number
Rheology
—Routing
—Running waters
—Runoff
Salt velocity method
—Sediment transport
—Seepage
—Shear
Sluices
Stemflow
Stilling basins
—Subsurface drainage
Thiem test
—Tractive forces
Transients
Turbulence
Underseepage
—Valves
Velocity distribution
Viscosity
Vortices
—Water
Water balance
Water distribution (applied)
Waterfalls

Flow around objects 2004
BT —Flow
—Movement
RT Bridge piers
Eddies
Flow patterns
Flow rates
Hydraulic jump
—Hydraulics
—Hydraulic structures
Non-uniform flow
—Resistance
Stokes law
Wakes
Wave generation

Flow augmentation 0808
UF Augmentation, flow
BT —Flow control
—Regulation
—Reregulation
NT Low-flow augmentation
RT —Discharge (water)
—Flow
Flow measurement
Pollution abatement
—Pollution control
Pumped storage
—Streamflow
Streamflow depletion
Waste dilution
—Water levels
—Water management (applied)
—Water quality
Water quality control

Flow characteristics 2004
RT —Flow
Flow duration curves
Flow measurement
Flow rates
—Hydraulics
Slots

Flow charts 0501
UF Flow diagrams
BT —Charts
RT Arrow diagrams
Bar graphs
Computer programming
Critical path method
PERT
Systems analysis

Flow control 2004
BT —Control
NT —Flow augmentation
Low-flow augmentation
RT —Artificial recharge
Automatic control
Backwater profiles
Baffle piers
Baffle plates
Contours
—Dams
Deriaz pump turbine
—Discharge (water)
Diversion dams
Diversion tunnels
Diversion works
—Electronic equipment
Flood control
—Flow
Flow rates
—Gates
—Gradients
Guide walls
Headwalls
Headworks
—Hydraulic gates
—Hydraulic valves
Locks (waterways)
—Orifices
Plug valves
Pneumatic systems
Process control
Sector gates
—Slopes
Spillway crests
Spillway gates
—Spillways
Terracing
—Valves
Waste dilution
Water control
—Water management (applied)
—Water resources management
Water spreading
—Water surface profiles
—Weed control
—Weirs
Wicket gates

Flow deflectors 2004
BT —Deflectors
RT Baffle plates
Diffusers
Diversion works
Guide walls
Shields
Stators
—Vanes

Flow diagrams
USE Flow charts

Flow distribution 2004
RT Boundary shear
—Branches
Cavitation
Flow patterns
—Fluid flow
Laminar flow
Stay rings
Stay vanes
Turbulent flow

Flow duration 0808
RT Depth-area-duration analysis
—Discharge (water)
Duration curves
—Floods
—Flow
Flow duration curves
—Fluid mechanics
Hydrologic data
Mass curves
—River flow
—Runoff
Runoff forecasting
—Streamflow
—Time

Flow duration curves 0808
BT —Curves
—Geometric shapes
RT —Discharge (water)
Discharge coefficients
Duration curves
Flow characteristics
Flow duration
Flow rates
—Frequency
Frequency analysis
Frequency curves
Hydrologic data
Mass curves
—Runoff
—Streamflow
—Time

Flowering 0603 1
RT Phenology
Plant growth regulators
Plant growth substances
Plant morphology
—Plants (botany)
—Plant tissues
Pollen
—Reproduction (biology)
Sexual maturity
—Systematics

Flow forecasting
USE Runoff forecasting

Flow measurement 1402
BT —Measurement
RT —Anemometers
Broad-crested weirs
Cipolletti weirs
Current meters
—Discharge (water)
—Flow
—Flow augmentation
Flow characteristics
—Flowmeters
Flow nets
Flow profiles
Flow rates
—Fluid flow
—Gages
—Gaging stations
—Gates
Hot film anemometers
Hot wire anemometers
Kutter formula
Metergates
—Metering
Mixing length
Orifice meters
—Orifices
Parshall flumes
Permeameters
Pitot spheres
—Pitot tubes
Propeller meters
Pumping tests (wells)
Pump intakes
Rectangular weirs
Sharp crested weirs
Stilling wells
Streamflow regulation
Stream gaging station
Submerged orifices
Submerged weirs
Turbine efficiency
Vee-notched weirs
—Velocity
Velocity distribution
—Velocity meters
—Venturi flumes
Venturi meters
—Water measurement
Water metering
Water meters

Flow measurement (Con.)
Water tunnels (testing)
—Weirs
Well yield

Flowmeters 1402
BT —Equipment
—Instrumentation
—Measuring instruments
—Meters
—Test equipment
—Velocity meters
NT Orifice meters
Venturi meters
Water meters
RT —Anemometers
—Discharge (water)
Discharge measurement
—Flow
Flow measurement
Flow rates
—Fluid flow
—Gages
—Orifices
Permeameters
Pitot spheres
—Pitot tubes
Streamflow regulation
Stream gages
Stream gaging station
—Velocity
—Venturi flumes
Water metering
—Weirs

Flow nets 0808.1
UF Hydraulic flow nets
RT Aquicludes
—Aquifers
—Boundaries (surfaces)
Canal seepage
Distribution patterns
—Drainage
—Earth dams
—Flow
Flow measurement
Flow rates
Groundwater flow
Groundwater movement
Hydraulic gradient
—Hydraulics
Laminar flow
—Leakage
—Model studies
Phreatic lines
Potential flow
—Seepage
Seepage losses
Underseepage

Flow patterns 2004
RT —Channel flow
—Closed conduit flow
—Critical flow
—Entrances (fluid flow)
Flow around objects
Flow distribution
—Fluid flow
Gradually varied flow
Groundwater movement
Laminar flow
Low flow
Non-uniform flow
Open channel flow
Orifice flow
Overland flow
Percolation
Pipe flow
—River flow
Rotational flow
Saturated flow
Sheet flow
Soil water movement
Steady flow
Stratified flow
—Streamflow
Subsurface flow
Supercritical flow
Transition flow
Turbulent flow
Two-part aquifers
Uniform flow
—Unsaturated flow
—Unsteady flow
Viscous flow

Flow profiles 0808
BT —Profiles
RT Backwater
Backwater profiles
—Flow
Flow measurement
Flow rates
—Hydraulics
Regime
Streamflow regulation
—Streams
—Tides
Water distribution (applied)

Flow rates 2004
BT —Rates
RT —Discharge (water)
—Flow
Flow around objects
Flow characteristics
—Flow control
Flow duration curves
Flow measurement
—Flowmeters
Flow nets
Flow profiles
Flow resistance
Flow separation
Infiltration capacity
Infiltration rate
—Moisture content
Newtonian flow
Stream gages
Translatory waves

Flow resistance 2004
BT —Resistance
RT —Boundaries (surfaces)
—Branches
Energy losses
—Flow
Flow rates
Fluid friction
Hydraulic design
—Hydraulics
Kutter formula
Pressure drag
Roughness (hydraulic)
Shear drag
Test canals
Viscosity
—Water tunnels (conveyance)

Flow separation 2004
UF Separation (flow)
RT —Boundaries (surfaces)
Cavitation
—Flow
Flow rates

Fluctuation 1407
RT Diurnal
Diurnal variations
Equilibrium
—Movement
Nocturnal
Oscillations
—Rates
Seasonal
—Stability
Timing
Translatory waves
Variability
Water level fluctuations
—Water levels
—Waves
—Waves (water)

Flues
USE Chimneys

Fluid dynamics 2004
BT —Dynamics
—Engineering mechanics
—Fluid mechanics
—Physics
NT Aerodynamics
—Hydrodynamics
RT Cavitation index
—Compressible flow
Continuity equation
Convection
—Fluid flow
—Hydraulics
Hydrodynamic pressure
—Kinetics
—Mechanics
Steady flow
Subsonic flow
Supersonic flow
Transient flow
Turbulence
Turbulent flow
Uniform flow
—Unsteady flow
Water hammer
Wind tunnels

Fluid filters 1311
UF Filters (fluid)
BT —Filters
NT Air filters
Trickling filters
Well filters
RT Diatomaceous earth
Diatoms
—Drainage
Drainage systems
—Drains
Filter stones
Filter tests
Filtration
—Membranes
Porous media
—Sands
—Screens
Transition zones
Underdrains
Well screens

Fluid flow 2004
BT —Flow
—Movement
NT Base flow
—Compressible flow
—Critical flow
Groundwater flow
Incompressible flow
Laminar flow
Low flow
Natural flow
Newtonian flow
Non-Newtonian flow
Non-uniform flow
Open channel flow
Orifice flow
Overland flow
Pipe flow
Potential flow
Pulsating flow
Regulated flow
Return flow
—River flow
Steady flow
—Streamflow
Subcritical flow
Subsonic flow
Supercritical flow
Supersonic flow
Transient flow
Transition flow
Turbidity currents
Turbulent flow
Two-phase flow
Uniform flow
—Unsteady flow
Viscous flow
RT Aerodynamics
Axial flow
Baffles
Boundary conditions
—Boundary layer
—Canals
Capacity reduction
Cavitation
Cavitation resistance
—Channel flow
—Conductivity
Critical slopes
—Discharge (water)
Drawdown curves
Eddies
Flow distribution
Flow measurement
—Flowmeters
Flow patterns
—Fluid dynamics
Fluid friction
—Fluid mechanics
Fluorescein
Fluvial hydraulics
Friction coefficient (hydraulic)
Froude number
—Head (fluid mechanics)
Head losses
Heat transmission
High head
Hot film anemometers
Hot wire anemometers
—Hydraulics
Hydrodynamic pressure
—Hydrodynamics
Jet diffusion
Jets
Kutter formula
Laminar boundary layers
—Losses
Mannings equation
Miners inch
—Outlet works
Permissible velocity
—Pipes
Pitot pressures
Pitot spheres
Pumping plants
Reynolds number
River currents
Rotational flow
Skin friction
Slots
—Spillways
—Surges
Turbine efficiency
Turbulence
—Velocity
Velocity head
—Velocity meters
Viscosity
Vortices

Fluid friction 2004
BT —Friction
—Mechanical properties
RT Boundary shear
—Coefficients
—Flow
Flow resistance
—Fluid flow
—Fluid mechanics
Friction coefficient (hydraulic)
Head losses
—Hydraulics
Kutter formula
Laminar flow
—Losses
Lubricants
Orifice flow
Pipe flow
Positive friction
—Resistance coefficients
Roughness (hydraulic)
Roughness coefficient
Skin friction
Steady flow
Transient flow
Turbulent flow
Uniform flow
—Unsteady flow
Viscosity
Wall friction

Fluidity
USE Viscosity

Fluid mechanics 2004
BT —Engineering mechanics
—Mechanics
NT Aerodynamics
—Fluid dynamics
Fluvial hydraulics
—Hydraulics
—Hydrodynamics
Hydrostatics
Tidal hydraulics
Tunnel hydraulics
RT Air demand
Baffle piers
Baffle plates
Boundary conditions
Boundary shear
Bulkhead gates
Coaster gates
—Compressible flow
Critical depth
Critical slopes
Critical velocity
—Dynamics
Fixed wheel gates
—Flow
Flow duration
—Fluid flow
Fluid friction
—Fluids
Friction coefficient (hydraulic)
High pressure gates
Hydraulic design
—Hydraulic gates
Hydraulic laboratories
—Hydraulic structures
Hydrodynamic pressure
Hydrostatic pressure

Fluid mechanics (Con.)
Laminar boundary layers
Radial gates
Roller gates
Salt velocity method
Slide gates
Sluice gates
Spillway gates
–Tractive forces
Tunnel hydraulics
Velocity distribution
Velocity head
Viscosity
Wall friction

Fluids 2004
NT –Air
–Gases
–Groundwater
–Oils
–Vapors
–Water
–Water vapor
RT –Flow
–Fluid mechanics
Hydraulic laboratories
–Hydraulics
–Hydrodynamics
Liquids
Newtonian flow
Rheology
Solids
–Solvents
Viscosity

Flumes 1313.1
BT –Channels
–Conduits
–Conveyance structures
–Engineering structures
–Hydraulic structures
–Open channels
–Waterways
NT Parshall flumes
Trapezoidal flumes
–Venturi flumes
RT Aqueducts
Bypasses
–Canals
Cavitation
–Concrete structures
Crossings
Diversion structures
Headwalls
Hydraulic conduits
Irrigation engineering
Rectangular conduits
–Sediment transport
Semicircular sections
Sluices
Water conveyance
–Water measurement
–Weirs

Fluorescein 0703
BT –Chemical compounds
–Chemicals
–Dyes
–Organic compounds
RT Dye releases
–Flow
–Fluid flow
–Fluorescence
Groundwater flow
Ponding tests
Pump tests
–Tracers

Fluorescence 2006
BT –Luminescence
NT X-ray fluorescence
RT –Analytical techniques
–Biological properties
Bioluminescence
Dye releases
–Dyes
Fluorescein
Fluorometry
Fluoroscopes
Mineral analysis
–Pigments
–Spectroscopy
–Tracers

Fluoridation 1302.1
RT Fluorides
Fluorine
Public health
–Water purification
–Water treatment

Fluorides 0702
BT –Chemical compounds
–Fluorine compounds
–Halides
–Inorganic compounds
RT –Air pollution
Fluoridation
Public health

Fluorine 0702
BT –Chemical elements
–Halogens
RT Bromine
Fluoridation
Oxidizers

Fluorine compounds 0702 0703
BT –Chemical compounds
NT Fluorides
RT –Chlorine compounds
–Halides

Fluorometry 1402
BT –Analysis
–Analytical techniques
–Chemical analysis
RT Colorimetry
–Fluorescence
Fluoroscopes
–Optical properties
–Photometry

Fluoroscopes 1402
RT –Fluorescence
Fluorometry
–Nondestructive tests
–Radiographic inspection
–Radiography

Fluvial deposits
USE Alluvial deposits

Fluvial fans
USE Alluvial deposits

Fluvial hydraulics 0808
BT –Fluid mechanics
–Hydraulics
RT Flood plains
–Floods
–Fluid flow
–Regulation
–River flow
River forecasting
–River regulation
River training
–Runoff
–Streamflow

Fluvial morphology 0808
BT –Morphology
NT Stream drainage patterns
RT Alluvial streams
Deltas
–Erosion
Estuaries
Flood plains
Geomorphology
Lacustrine deposits
–Land forms
Meanders
Potamology
–Rivers
River systems
–Streams
Tributaries

Fluvial soils
USE Alluvium

Fly ash 1107
UF Ash (fly)
RT Byproducts
–Concrete additives
–Concretes
Lightweight aggregates
Mass concrete
Particles
Pozzolans
Smoke

Fly fishing 0511
BT –Fishing
RT Bait fishing
Cold-water fishing
Fishing gear
–Freshwater fish
–Pan fish
Sport fishing
Stream fisheries

Foam 1107
BT –Porous materials
RT Air bubbles
–Bubbles
Foam fractionation
Foaming
Foam rubber
Foam separation
Froth flotation
Frothing

Foam fractionation 0701
BT –Separation techniques
RT Detergents
Foam
Foaming
Foam separation
–Sewage treatment
–Surfactants
–Treatment
Waste water treatment
Water pollution treatment
–Water purification

Foaming 0701 1308
RT Aerosols
–Beneficiation
–Bubbles
Detergents
Drilling fluids
–Flotation
Foam
Foam fractionation
Foam separation
Frothing
–Separation

Foam rubber 1110
BT –Building materials
–Elastomers
–Porous materials
–Rubber
RT Foam
Polyurethane resins

Foam separation 0701
BT –Separation techniques
RT Air bubbles
Detergents
Foam
Foam fractionation
Foaming
–Surfactants
Tertiary treatment
–Waste treatment

Foehn
USE Chinook

Fog 0402
BT –Clouds
NT Supercooled fog
RT Aerosols
Ceilings (meteorology)
Cirrus clouds
–Condensation
Cumulus clouds
Fog dispersion
Haze
Mist
–Mixtures
Particles
–Precipitation (atmospheric)
Smog
Stratus clouds
Visibility

Fog-curing 1303.1
BT –Curing
RT –Concretes
–Concrete technology

Fog dispersion 0402.1
BT –Weather modification
RT –Fog

Folds (geology) 0807
BT –Geologic structures
RT Faults (geology)
–Fissures (geology)
Fractures (geology)
Joints (geology)
Rock properties
–Rocks
Structural geology

Foliar 0603.1
RT Canopy
Leaching
Leaves
Stemflow

Foliar application 0606
RT –Application methods
Sprays

Foliation 0807
BT –Geologic structures
RT Cleavage
–Rocks
Schist
Texture

Food abundance 0608
RT –Feeds
Food and cover crops
Food chains
Food habits
–Productivity
Standing crop

Food and cover crops 0204
UF Duck foods
BT –Cover crops
–Crops
–Plants (botany)
RT –Biology
–Feeds
Fish and wildlife
Food abundance
Food habits
Habitat improvement
–Habitats
Marsh management
Nesting cover
Plant groupings
Shore-line cover
Widgeon grass
–Wildlife management
Wild rice

Food chains 0608
RT –Aquatic populations
Balance of nature
–Biological communities
–Biology
Carnivores
–Cycles
Cycling nutrients
–Ecology
–Ecosystems
–Energy budget
Fish food organisms
Food abundance
Food pyramids
Food webs
–Herbivores
Omnivores
–Pesticides
–Population
Primary productivity
–Productivity
Radioactivity effects
Secondary productivity
Trophic level
–Wildlife

Food habits 0616
RT –Animal behavior
Browse utilization
–Digestion
Fish behavior
Food abundance
Food and cover crops
Forage palatability
Insect behavior
–Nutrients
Secondary productivity

Food pyramids 0606
RT Balance of nature
–Ecosystems
Fish food organisms
Food chains
Food webs
–Productivity

Foods 0608
RT Algal nutrients
Canneries
–Diets
–Feeds
–Nutrients
–Organoleptic properties
Sanitation

Foods (Con.)
—Vitamins

Food webs 0606
RT —Biology
—Cycles
—Ecology
—Ecosystems
Fish food organisms
Food chains
Food pyramids
—Productivity
Secondary productivity

Footings 1313.6
BT —Foundations
NT Auger-type footings
Belled footings
Grillage footings
Pad footings
Pressed plate footings
Spread footings
Uplift footings
RT Aluminum towers
Anchored towers
—Anchors
—Beams (structural)
Bearing pressure
Belled anchors
Bell piers
Bridge foundations
Bridge piers
Building codes
Caissons
Columns
Differential settlement
Flexible foundations
Foundation bearing tests
Foundation failure
Foundation investigations
Foundation modulus
Influence charts
—Piers
—Piles (foundations)
Ponding tests
Pull-out tests
—Settlement (structural)
Slabs
Soil mechanics
Spread foundations
—Structural design
—Structural stability
—Supports
Transmission towers
Underwater foundations
—Walls

Forage fish 0603.2
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Herbivores
—Wildlife

Forage grasses 0204 0603.1
BT —Agronomic crops
—Crops
—Field crops
—Forages
—Grasses
—Monocots
—Plants (botany)
NT Bahiagrass
Bromegrass
Coastal bermudagrass
Dallisgrass
Fescues
Grama grasses
Orchardgrass
Perennial ryegrass
—Range grasses
Sudangrass
Switchgrass
Wheatgrasses
RT Bermudagrass
—Bluegrasses
Forage mixtures
Kentucky bluegrass
Pasture
Plant groupings
Sorghum

Forage legumes 0204 0603.1
BT —Agronomic crops
—Crops
—Dicots
—Field crops
—Forages
—Horticultural crops
—Legumes
—Plants (botany)
NT Alfalfa
Alsike clover
Crimson clover
Ladino clover
Red clover
RT —Clovers
Forage mixtures
Lespedeza
—Oilseed crops
Plant groupings
Soybeans
Vetch
White clover

Forage mixtures 0204 0603.1
BT —Agronomic crops
—Crops
—Field crops
—Forages
—Plants (botany)
RT —Dicots
—Forage grasses
—Forage legumes
—Grasses
—Legumes
—Monocots
Plant groupings

Forage palatability 0205
UF Palatability
RT —Biological properties
—Cutting management
—Environmental effects
—Feeds
Food habits
—Forages
—Growth stages
—Livestock
Odor
—Organoleptic properties
Taste

Forages 0204 0603.1
BT —Agronomic crops
—Crops
—Field crops
—Plants (botany)
NT Alfalfa
Alsike clover
Bahiagrass
Bromegrass
Coastal bermudagrass
Crimson clover
Dallisgrass
Fescues
—Forage grasses
—Forage legumes
Forage mixtures
Grama grasses
Ladino clover
Orchardgrass
Perennial ryegrass
—Range grasses
Red clover
Sudangrass
Switchgrass
Wheatgrasses
RT Carrying capacity
—Clovers
—Cutting management
—Feeds
Forage palatability
—Grasslands
Grazing
Hay
Pasture
Plant groupings
Ranges
—Soil management

Forage sorghum
USE Sorghum

Forced drying 1407
BT —Drying
RT Dehydration
Freeze drying
Heat flow
Vacuum drying

Forced vibration 2011
BT —Vibration
RT Natural frequency

Forces (centrifugal)
USE Centrifugal force

Forces (centripetal)
USE Centripetal force

Forces (expansive)
USE Expansive forces

Forces (external)
USE External forces

Forces (internal)
USE Internal forces

Forces (lateral)
USE Lateral forces

Forces (shear)
USE Shear forces

Forces (tractive)
USE Tractive forces

Forebay dams 1313.1
BT —Dams
—Hydraulic structures
RT Afterbays
—Concrete dams
—Drawdown
—Earth dams
Hydraulic fill dams
Hydroelectric power
—Powerplants
Pumping plants

Forebays 1302.6
BT —Bodies of water
—Impoundments
—Reservoirs
—Standing waters
—Surface waters
RT Detention reservoirs
Hydroelectric power
—Intakes
—Intake structures
Penstocks
—Ponds
Pumped storage

Forecasting 1407
UF Predicting
Prediction
Projections
NT Economic prediction
Flood forecasting
River forecasting
Runoff forecasting
Streamflow forecasting
—Water supply forecasting
Weather forecasting
RT Correlation
Curve fitting
Estimating
—Evaluation
—Feasibility
Frequency curves
Future planning (projected)
Low-flow augmentation
—Management
Management analysis
Management planning
—Measurement
—Networks
Non-structural alternatives
—Operations research
—Planning
Probability
Probability theory
Production planning
—Programs
Project life
Project planning
Reliability
Risks
—Routing
Safe yield
Sales
—Sampling
Scheduling
—Statistical analysis
Systems engineering
Time series analysis
Timing
—Warning systems
Water supply

Foreign activities 1407
UF Activities (foreign)
RT —Construction
—Design
Developing countries
Engineering services
Federal agencies
Foreign construction
Foreign countries
Foreign design practices
Foreign policies
—Planning
Project planning
—Training

Foreign agreements
USE International compacts

Foreign compacts
USE International compacts

Foreign construction 1315
BT —Construction
RT Developing countries
Foreign activities
Foreign design practices
Foreign projects
Foreign research
Foreign tests

Foreign countries 0806
BT —Geographical regions
RT Foreign activities
Foreign policies
Foreign products
—Governments
International compacts
International hydrological decade
Worldwide

Foreign design practices 1407
UF Design practices (foreign)
BT —Design
RT Foreign activities
Foreign construction
Foreign projects
Foreign research
Foreign tests

Foreign policies 0504
UF International policies
BT —Policies
RT Developing countries
Foreign activities
Foreign countries
Foreign projects
Political science

Foreign products 1107
RT —Contracts
Foreign countries
Foreign tests
—Foreign trade
International compacts
Manufacturing
—Production
—Supply
Supply contracts

Foreign projects 1314
BT —Projects
RT Developing countries
Foreign construction
Foreign design practices
Foreign policies
Foreign research
Foreign tests

Foreign research 1406
BT —Research and development
RT Basic research
Foreign construction
Foreign design practices
Foreign projects
Research facilities
—Translating
Translations

Foreign tests 1402
RT —Analytical techniques
—Appraisals
—Assay
—Evaluation
Foreign construction
Foreign design practices
Foreign products
Foreign projects
—Foreign trade
Foundation bearing tests
Freeze-thaw tests
—Hydraulic models
—Inspection
Laboratory tests
—Materials tests

Foreign tests (Con.)
–Measurement
–Model studies
–Nondestructive tests
Prototype tests
–Quality control
–Sampling
Soil analysis
–Soil tests
Strength of materials
Test procedures

Foreign trade 0503
NT Export
Import
RT Foreign products
Foreign tests
International compacts
–International law
International waters
–Licenses
–Permits
Tariff
–Treaties

Foreign treaties
USE International compacts

Foreign waters 0504
RT International compacts
–International law
International waters
–Treaties

Foreshore
USE Intertidal areas

Forestation
USE Forestry

Forest fires 0206 1312
RT Burning
Camping
–Damages
Disasters
–Ecology
Forest management
–Forests
–Hazards

Forest management 0206
UF Forest practices
Silviculture
Timber management
BT –Management
RT Browse utilization
Burning
Carrying capacity
Clear-cutting
–Conservation
–Erosion control
Fertilization
Forest fires
Forestry
Forest soils
Lumbering
Planting management
Range management
Ranges
–Recreation
Reforestation
–Resource conservation
Sediment control
Seeding
Snow management
Soil conservation
Vegetation regrowth
Water conservation
Watershed management
–Water yield
Water yield improvement
–Wildlife conservation

Forest practices
USE Forest management

Forestry 0206
UF Forestation
RT Agriculture
Coniferous forests
–Coniferous trees
Deciduous forests
–Deciduous trees
Experimental farms
Forest management
–Forests
Forest soils
Lumbering
Plant breeding
–Plant pathology
–Plants (botany)
Rhizosphere
Snow management
–Trees
–Watersheds (basins)

Forests 0206
NT Coniferous forests
Deciduous forests
Mixed forests
Mountain forests
National forests
Rain forests
RT Canopy
Dendrochronology
Forest fires
Forestry
Forest soils
Hardwood
Humid climates
Industrial crops
Land resources
Land use
Lumbering
–Natural resources
–Parks
–Pedalfers
Pulp and paper industry
Snow management
Softwood
–Succession
Terrestrial habitats
–Trees
–Vegetal cover
Vegetation

Forest soils 0807
BT –Soil types
RT Forest management
Forestry
–Forests
Gray-brown podzolic soils
Humus
–Pedalfers
Rhizosphere
–Soil management

Fork lift
USE Handling equipment

Form
USE Shape

Formal logic 0506
(for logic of mathematics, use mathematical logic)
UF Logic (formal)
NT –Mathematical logic
–Methodology
Reasoning
RT –Analysis
Decision making
–Procedures

Formulas 1407
NT Kutter formula
Pile-driving formulas
Rational formula
RT Cavitation index
–Equations

Formulation 0701
RT Aerosols
Carriers
Compatibility
–Dust
Granules
Liquids
Mixing
–Mixtures
Pesticide kinetics
Selectivity
–Solvents
–Stability
–Surfactants

Formwork (construction) 1315
NT Slip forms
RT Cast-in-place structures
–Concrete construction
–Concrete placing
Shoring
Tie rods

Fossil fuels 2104
NT –Coal
Fuel oil
Lignite
RT –Bituminous materials
Natural gas
Oil shale
Peat
Peat bog

Fossil pollen
USE Palynology

Fossils 0807
RT Archaeology
–Geology
Paleohydrology
Paleolimnology
Paleontology
Peat bog
–Sedimentary rocks

Fouling 1407
RT –Aquatic algae
–Aquatic plants
Clogging
–Contamination
–Damages
–Degradation
–Floating plants
Flotsam
Nuisance algae
Retarding
–Sediments
Vegetation effects
Water pollution effects

Foundation bearing tests 1313.6
BT –Field tests
–In situ tests
–Tests
RT –Bearing capacity
Bearing pressure
Bearing strength
Bearing values
Differential settlement
–Evaluation
Flexible foundations
–Footings
Foreign tests
Foundation investigations
–Foundations
Penetration tests
Plate load tests
Rock competency
Rock foundations
Soil investigations
Test results

Foundation failure 1313.6
BT –Failure
RT –Bearing capacity
Bearing strength
–Damages
Dam breaches
Dam failure
Dam foundations
Differential settlement
Disasters
Displacements
–Failure (mechanics)
–Footings
–Foundations
Piping (erosion)
Quick clays
Rock competency

Foundation grouting
USE Grouting

Foundation investigations 1313.6
BT –Investigations
RT Auger borings
–Borehole cameras
Boreholes
Bridge foundations
Calyx drills
Dam foundations
Drill holes
–Drilling
Engineering geology
–Exploration
–Field investigations
–Field tests
–Footings
Foundation bearing tests
–Foundations
–Geologic investigations
–Geophysical prospecting
Hand augers
Penetration tests
Piston samplers
Preliminary investigations
Rock foundations
Seismic investigations
Soil investigations
Subsurface investigations
Subsurface mapping
Test holes
Test pits
–Trenches
Undisturbed samples
Vane shear tests
Visual classifications

Foundation modulus 1313.6
RT Deflection
–Deformation
–Footings
–Foundations
–Plates
–Pressure
Rock foundations
–Settlement (structural)
Stress-strain curves

Foundation rocks 0807
BT –In situ rock
–Rocks
RT Bedrock
–Geologic formations
–Geology
Rock competency
Rock foundations
Rock properties
Stratigraphy
Structural geology

Foundations 1313.6
NT Auger-type footings
Belled footings
Bridge foundations
Dam foundations
Flexible foundations
–Footings
Grillage footings
Pad footings
Pile foundations
Pressed plate footings
–Rigid foundations
Rock foundations
Spread foundations
Underwater foundations
Uplift footings
RT –Anchors
Backfills
Batter piles
–Beams (structural)
–Bearing capacity
Bearing piles
Bearing pressure
Bearing values
Bedrock
Belled anchors
Bell piers
Blanket grouting
Bored piles
Bridge piers
Building codes
–Buildings
Caissons
Columns
–Concrete piles
–Construction
Cutoffs
Cutoff trenches
Cutoff walls
–Dams
Differential displacements
Differential settlement
–Excavation
Foundation bearing tests
Foundation failure
Foundation investigations
Foundation modulus
–Grouting
–Hydraulic structures
Influence charts
Jacking
–Jacks (mechanical)
Overbreak
Overconsolidation
Overexcavation
Permafrost
–Piers
Pile groups
–Piles (foundations)
Preloading
Prepacked concrete
Rock mechanics
Sand boils
Seepage control
–Settlement (structural)

Foundations (Con.)
Shoring
Slabs
Soil mechanics
Sonic pile driving
–Stability
Steel piles
–Structural design
–Structural members
–Structural stability
Subbase
Subgrade
Subsoil
–Supports
Vibratory compaction
Vibratory pile driving
–Walls
Wooden piles

Fourier analysis 1201
UF Harmonic analysis
BT –Analysis
–Mathematical analysis
–Mathematical studies
–Mathematics
RT Boundary values
–Calculus
–Differential equations
Information theory
Integration (mathematics)
Series (mathematics)
Waveforms

Fractionation
USE Distillation

Fractures 1407
NT Brittle fractures
RT –Brittle fracture theory
Cleavage
Cracking
–Cracks
Crazing
–Damages
Defects
–Deformation
–Failure
–Failure (mechanics)
Failure surfaces
Faults (geology)
Fissures
–Fissures (geology)
Fragmentation
Griffith theory
Joints (geology)
Microstructure
Rupture modulus
Spalling
Weathering

Fractures (geology) 0807
RT Cleavage
–Cracks
Faults (geology)
–Fissures (geology)
Folds (geology)
Joints (geology)
Ripping
Structural geology
Tunneling
Unlined tunnels
–Water loss

Fragaria
USE Strawberries

Fragmentation 1407
RT Cleavage
Cracking
Crushing
–Fractures
Fragmented materials
Grinding
Rock breakage
Spalling
Weathering

Fragmented materials 1107
RT –Aggregates
Breccia
Crushed stone
Detrital soils
Fragmentation
–Granular materials
Talus

Frames 1313.5
NT Continuous frames
Rigid frames
Space frames
RT –Beams (structural)
Bents (structural)
–Bracing
Columns
Compression members
Fixed structures
Gusset plates
Housings
Shoring
–Structural analysis
–Structural design
–Structural members
Struts
–Supports
–Trusses

Francis turbines 1307.1
BT –Hydraulic machinery
–Hydraulic turbines
–Reaction turbines
–Turbines
RT Bulb turbines
High head
Kaplan turbines
Pelton turbines
–Pump turbines
Spiral cases
Stay rings
Stay vanes
Turbine wheels

Frazil ice 0812
BT –Ice
RT Anchor ice
–Canals
Floating ice
Ice cover
–Open channels
Slush
–Streamflow
Turbulence

Freeboard 2004
RT Canal design
Dam design
–Dams
Entrance channels
Fetch
Flashboards
Flood waves
–Hydraulic structures
–Outlet works
Overflow
Reservoir design
–Safety
–Spillways
–Structural design
Wave action
Wave height
Wave run-up
–Waves (water)
Wave suppressors

Free energy 2013
BT –Energy
RT –Chemical reactions
–Thermal properties
Thermodynamic behavior
–Thermodynamics

Free flow 2004
RT Critical velocity
Liquid level gages
Spillway crests
–Spillways
Tunnel hydraulics
–Tunnels
–Water tunnels (conveyance)

Free surfaces 2004
BT –Boundaries (surfaces)
–Interfaces
–Surfaces
RT Air-water interfaces
–Flow
–Open channels

Free-swimming invertebrates
USE Nekton

Free water
USE Gravitational water

Freeze drying 1308
BT –Drying
–Separation
RT Dehydration
Forced drying
–Freezing
–Processing
Vacuum drying

Freeze-thaw cycle 0812
RT Cold climates
–Cold regions
Diurnal variations
Eluvium
Freeze-thaw durability
Freeze-thaw tests
–Freezing
Frost action
Frost heaving
–Periodic variations
–Temperature
Weather

Freeze-thaw durability 1407
BT –Chemical properties
–Durability
–Mechanical properties
RT Air entrainment
Cold climates
–Cold regions
Deterioration
Freeze-thaw cycle
Freeze-thaw tests
Frost action
Frost protection

Freeze-thaw tests 1402
BT –Materials tests
–Tests
RT Accelerated tests
Concrete tests
–Durability
Foreign tests
Freeze-thaw cycle
Freeze-thaw durability
–Freezing
Frost
Frost action
Frost protection
Laboratory tests
Pipe tests
Refrigeration
Riprap
–Temperature sensors
Test results
Thawing
–Thermodynamics

Freezing 0704
NT Flash freezing
RT Antifreeze
Catch crops
–Cooling
Crop response
Cryogenics
Crystallization
Desalination processes
Fishkill
Freeze drying
Freeze-thaw cycle
Freeze-thaw tests
Frost
Frost action
Frost heaving
–Frozen soils
Hail
Heat resistance (materials)
Heat transfer
–Heaving
Highway icing
–Ice
Ice crystals
Ice formation
Ice lenses
Melting
Nucleation
Permafrost
Precooling
Refrigeration
Refrigerators
Rime
Sleet
Slush
Solidification
Sublimation
Supercooled fog
Supercooling
–Temperature
Tertiary treatment
–Thermal properties
–Thermodynamics
Water cooling
Winterkilling

French drains 0808.1
BT –Drains
RT Clay pipes
–Conduits
Gradation
–Gravels
–Pervious soils
Sand drains
Sand filters
–Subsurface drains
Tile drains

Frequency 2014
NT High frequency
Low frequency
Natural frequency
RT Amplitude
Depth-area curves
Distribution patterns
–Elastic waves
–Electromagnetic waves
Flow duration curves
Frequency analysis
Frequency curves
Frequency distribution
Harmonics
Impulses
Load-frequency control
Oscillations
Oscillators
Pulsating flow
Pulses
–Rates
Resonance
–Resonators
Seiches
Sequence
–Surges
Synoptic analysis
–Time
Timing
Ultrasonics
–Vibration
Wave energy
Wavelength
Wave period
Wave propagation
–Waves
–Waves (water)
Wave velocity

Frequency analysis 1201
BT –Analysis
–Mathematical analysis
–Statistical analysis
RT Flow duration curves
–Frequency
Frequency curves
Time series analysis

Frequency analyzers 1402
UF Analyzers (frequency)
BT –Equipment
–Test equipment
RT –Electronic equipment
Spectrum analysis

Frequency converters 0905
BT –Converters (electrical)
RT Oscillators

Frequency curves 1201
BT –Curves
–Geometric shapes
RT Climatic data
–Climatology
Flow duration curves
–Forecasting
–Frequency
Frequency analysis
Hydrologic data
Peak discharge
–Runoff
–Time

Frequency distribution 1201
RT –Frequency
–Quality control
–Statistical analysis

Frequency modulation 2014
BT –Modulation
RT Amplitude modulation

Frequency shifters
USE Frequency shifts

Frequency shifts 2014
UF Frequency shifters

Frequency shifts (Con.)
RT Frequency stabilizers
Oscillations

Frequency stabilizers 0905
BT –Electrical equipment
RT Electrical stability
–Electric generators
–Frequency shifts
Oscillators
–Resonators
–Stabilization
–Transmission (electrical)

Fresh water 0808
BT –Water
–Water types
NT –Melt water
Snowmelt
RT Farm ponds
Freshwater marshes
–Groundwater
Icebergs
–Lakes
–Limnology
–Phreatic water
–Ponds
Potable water
–Running waters
–Springs (water)
–Streams
–Surface waters
Water costs
–Wetlands

Freshwater algae
USE Aquatic algae

Freshwater animals
USE Aquatic animals

Freshwater bacteria
USE Aquatic bacteria

Freshwater fish 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Wildlife
NT Ammocetes
Bass
Buffalo fishes
Bullheads
Carp
Carpsucker
–Catfishes
Cavefishes
Channel catfish
–Cichlids
Cisco
Darters
Gars
Lake trout
–Lampreys
Livebearers
Madtoms
–Perches
Pikes
Roanoke bass
Rock bass
Sauger
Shiners
–Suckers
–Sunfishes
Tilapia
Walleye
White bass
White perch
Yellow bass
Yellow perch
RT Anadromous fish
Animal groupings
Atlantic salmon
Bait fishing
Brackish-water fish
Brook trout
Catadromous fish
Chinook salmon
Chum salmon
–Cold-water fish
Cold-water fishing
Commercial fish
Commercial fishing
Cutthroat trout
Fish and wildlife
Fish types
Fly fishing
–Herrings
Ice fishing
Killifishes
Lake fisheries
–Limnology
Mullets
–Pan fish
Pink salmon
Rough fish
–Salmonids
Sculpins
–Sea basses
Silversides
Smelts
Sockeye salmon
Sport fish
Sport fishing
Sticklebacks
Stream fisheries
Surf-casting
Warm-water fish
Warm-water fishing

Freshwater fungi
USE Aquatic fungi

Freshwater marshes 0807
BT –Land forms
–Marshes
–Wetlands
RT –Fresh water
–Limnology

Freshwater microorganisms
USE Aquatic microorganisms

Freshwater plants
USE Aquatic plants

Freshwater-saline water interfaces
USE Saline water-freshwater interfaces

Friction 1407
UF Side friction
BT –Mechanical properties
NT External friction
Fluid friction
Internal friction
Negative friction
Pile friction
Positive friction
Skin friction
Solid friction
Wall friction
RT Abrasion
–Bearings
Cohesive strength
–Drag
Drained shear tests
Energy losses
–Flow
Friction coefficient (hydraulic)
Friction coefficient (mechanical)
Friction piles
Friction tests
Head losses
–Hydraulics
Journal bearings
–Kinetics
–Losses
Lubricants
Lubrication
–Movement
Obstruction to flow
–Resistance
–Roughness
Roughness (hydraulic)
Roughness coefficient
Shear strength
Sliding
Sliding resistance
Slipping
Traction
Viscosity

Friction coefficient (hydraulic)
2004
BT –Coefficients
–Resistance coefficients
RT Bed roughness
–Boundary layer
Boundary shear
–Canals
Capacity reduction
Cast-in-place pipes
–Drag
Energy losses
External friction
–Fluid flow
Fluid friction
–Fluid mechanics
–Friction
Friction tests
Head losses
–Hydraulics
–Hydraulic structures
Internal friction
Kutter formula
Laminar flow
Moody resistance diagrams
Negative friction
Open channel flow
–Pipelines
Pipe tests
Positive friction
Relative roughness
–Resistance
–Roughness
Roughness (hydraulic)
Skin friction
–Surface properties
–Tunnels
Turbulent flow
Unlined tunnels
–Velocity
Viscosity
Wall friction
Water conveyance
–Water tunnels (conveyance)
Water tunnels (testing)

Friction coefficient (mechanical)
2012
BT –Coefficients
–Mechanical properties
–Resistance coefficients
RT Abrasion
Angle of repose
Drained shear tests
External friction
–Friction
Friction tests
Internal friction
Lubricants
Mohr envelope
Negative friction
Positive friction
Relative roughness
–Resistance
–Roughness
Roughness coefficient
Shear strength
Skin friction
Sliding resistance
–Soil properties
Solid friction
–Surface properties
Traction
Wall friction

Friction piles 1313.6
BT –Piles (foundations)
RT Batter piles
Bearing piles
Cast-in-place piles
–Concrete piles
–Engineering structures
–Friction
Negative friction
–Pile driving
Pile foundations
Pile friction
Pile spacing
Positive friction
–Roughness
Skin friction
Steel piles
Uplift resistance
Wooden piles

Friction tests 1402
BT –Tests
RT Abrasion
Direct shear
–Field tests
–Friction
Friction coefficient (hydraulic)
Friction coefficient (mechanical)
Internal friction
Laboratory tests
Negative friction
–Resistance
–Roughness
–Shear tests
Smoothness
–Surface properties
–Wear resistance

Fringe benefits 0503
BT –Benefits
RT Employee relations
Incentives
Indirect benefits
Industrial relations
Insurance costs
Marginal benefits
Morale
–Payment
–Personnel
Personnel management
–Recreation facilities
Salaries

Fringe water 0808.1
UF Anastatic water
BT –Capillary water
–Moisture
–Soil moisture
–Soil water
–Subsurface waters
–Vadose water
–Water
–Water types
RT Capillary fringe
–Zone of aeration

Frogs 0603.2
BT –Amphibians
–Animals
–Wildlife
RT –Aquatic animals

Fronts (atmospheric) 0402
BT –Boundaries (surfaces)
RT Air circulation
–Air masses
Air temperature
–Atmosphere
Boundary processes
–Meteorology
–Storms

Frost 0402
RT –Condensation
Deicers
Dew
Freeze-thaw tests
–Freezing
Frost action
Frost heaving
Frost prevention
Frost protection
–Frozen soils
–Ice
Ice crystals
Ice formation
Ice lenses
Permafrost
Rime

Frost action 0812
UF Boils (frost)
Frost boil
Frost effects
Penetration (frost)
RT Cold weather construction
Freeze-thaw cycle
Freeze-thaw durability
Freeze-thaw tests
–Freezing
Frost
Frost heaving
Frost prevention
Frost protection
–Frozen soils
Heat transfer
–Heaving
–Ice
Ice crystals
Ice formation
Ice lenses
Ice pressure
Ice-water interfaces
Melting
Permafrost
Soil water movement
–Temperature
Thawing
Weathering

Frost boil
USE Frost action

Frost effects
USE Frost action

Frost heaving 0812
BT –Heaving
RT Cold weather construction

Frost heaving (Con.)
Freeze-thaw cycle
–Freezing
Frost
Frost action
Frost protection
–Frozen soils
–Ice
Ice lenses
Ice pressure
Microenvironment
Permafrost
Root systems
Soil mechanics
–Soil water
Soil water movement
Thawing
–Volume change
Weathering

Frost prevention 0812
RT Frost
Frost action
Frost protection
–Ice
Ice formation
Ice prevention
Irrigation effects

Frost protection 1302
RT Cold resistance
Cold weather construction
Freeze-thaw durability
Freeze-thaw tests
Frost
Frost action
Frost heaving
Frost prevention
–Heating
–Horticultural crops
Ice prevention
Orchards
Sprinkling
Temperature control
–Weather modification
Winterkilling

Froth flotation 0701 1308
BT –Flotation
RT Air bubbles
–Beneficiation
–Bubbles
Foam
–Interfaces
Water pollution treatment
–Water purification

Frothing 0701 1308
RT –Bubbles
–Flotation
Foam
Foaming

Froude number 2004
RT –Critical flow
Dimensional analysis
–Fluid flow
Hydraulic jump
Hydraulic similitude
Reynolds number
–Similitude
Standing waves
Transition flow

Frozen ground
USE Frozen soils

Frozen soils 0812
UF Frozen ground
BT –Earth materials
–Materials
–Soils
–Soil types
NT Permafrost
RT Cold weather construction
–Freezing
Frost
Frost action
Frost heaving
–Heaving
–Ice
Ice lenses
Thawing
Tundra

Fruit crops 0204
UF Fruits
BT –Crops
–Horticultural crops
–Plants (botany)
NT Apples
Blueberries
–Citrus fruits
Cranberries
Dates
Grapefruit
Hickory trees
Lemons
Limes
Macadamia
Melons
Oranges
Peaches
Peanuts
Pecans
–Pome fruits
Soybeans
–Stone fruits
Strawberries
Sugar beets
Tropical fruits
–Vine crops
RT –Dicots
–Monocots
Orchards
Plant groupings
–Shrubs

Fruits
USE Fruit crops

Fry 0603.2
UF Advanced fry
Alevin
Fingerlings
Sac fry
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Growth stages
–Juvenile fishes
–Wildlife
RT Fish eggs
Fish food organisms
Fish management
Fish reproduction
Fish stocking
Juvenile growth stage
–Life cycles
Life expectancy
Spawning

Fuel oil 2104
UF Diesel fuel
BT –Fossil fuels
–Oils
RT Gasoline
Petroleum

Fuels 2104
RT –Chemicals
Chemical wastes
–Coal
Coal gas
Diesel engines
Gasoline
Heaters
–Internal combustion engines
Naptha
Natural gas
–Oils
Oil wastes
Oily water
Peat
Petroleum
Water pollution sources

Full employment 0503
BT –Employment
RT Employment opportunities

Fully stocked
USE Stocking

Fulvic acids 0703
BT –Acids
–Chemical compounds
–Chemicals
–Organic acids
–Organic compounds

Fulvous tree duck 0603.2
UF Dendrocygna bicolor
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Fumigants 0606
BT –Chemicals
–Pesticides
–Poisons
NT Sodium arsenite
RT Dusting
Soil sterilants
–Sterilants

Funding
USE Finance

Funds
USE Finance

Fundulus species
USE Killifishes

Fungi 0603.1
BT –Parasites
–Plants (botany)
NT –Aquatic fungi
Marine fungi
Molds
Pathogenic fungi
Soil fungi
Verticillium
Yeasts
RT –Bacteria
Cultures
Fungicides
Lichens
–Microbiology
–Microorganisms
–Phytoplankton
–Plant diseases
Rusts (fungi)
Spores

Fungicides 0606
BT –Chemicals
–Pesticides
–Poisons
RT Antibiotics (pesticides)
–Fungi
Impregnation
Wood preservatives (pesticides)

Furbearers 0603.2
BT –Animals
NT Beavers
Mink
Muskrats
RT Animal groupings
–Aquatic animals
Mammal groupings
–Small animals (mammals)
–Small game
Trapping
–Wildlife

Furnaces 1301
NT Blast furnaces
Kilns
RT Boilers
Dryers
Heaters
–Heating
Heating plants
–Heat treatment
Incinerators
Laboratory equipment
Ovens

Furrow drainage 0808.1
BT –Drainage
RT Drainage engineering
Drainage practices
–Furrow irrigation
–Land forming

Furrow irrigation 0203.1
BT –Distribution systems
–Gravity irrigation
–Irrigation
–Irrigation systems
–Surface irrigation
NT Border irrigation
RT Contour furrows
–Cultivation
–Ditches
Furrow drainage
Irrigation engineering
Return flow
Siphons

Furrows 0203
BT –Ditches
NT Contour furrows
RT Border irrigation
Contour farming
–Cultivation

Furrow systems 0203
RT –Artificial recharge
Channeling
Irrigation ditches
Water spreading

Fused salts 0704
BT –Chemical compounds
–Chemicals
–Salts
RT Saline water systems

Fuses (electric)
USE Electric fuses

Fuses (explosions) 1901
UF Blasting fuses
RT –Blasting
Charges (explosives)
Detonation
–Explosions
Explosive construction
–Explosives

Fusion 1407
(excludes nuclear reaction)
RT Adhesion
Latent heat
–Liquefaction
Melting
Solidification
–Welding

Future planning (projected) 1407
UF Projected planning
BT –Planning
RT –Census
–Forecasting
Long-term planning

Fyke nets 0511
BT –Nets

G

Gabbro 0807
BT –Basic rocks
–Crystalline rocks
–Igneous rocks
–Plutonic rocks
–Rocks
RT Basalt

Gabions 1313.5
UF Rock sausages
RT Bank protection
–Barriers
Cribbing
–Erosion control
Groins (structures)
Harbors
Jacks (structural shape)
Revetments
Shore protection
Slope protection
Stable channels
Stream meandering

Gadwall duck 0603.2
UF Anas strepera
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Gages 1402
UF Gaging
Gauges
BT –Equipment
–Instrumentation
–Measuring instruments

Gages (Con.)
–Test equipment
NT Barometers
Dial gages
Extensometers
Hook gages
Liquid level gages
Manometers
–Piezometers
–Precipitation gages
–Pressure gages
Rain gages
Staff gages
–Strain gages
Stream gages
Stress gages
Weir gages
RT Current meters
Depth recorders
–Detectors
Dynamometers
Flow measurement
–Flowmeters
–Gaging stations
–Indicators
Laboratory equipment
–Pressure measuring instruments
–Probes (instruments)
–Recording systems
Sediment samplers
–Sensors
Stage-discharge relations
–Streamflow
Submarine pipelines
Tensiometers
–Transducers
–Water levels
–Water measurement

Gaging
USE Gages

Gaging stations 1402
BT –Stations
NT Stream gaging station
RT Data collections
Flow measurement
–Gages
–Hydrologic instruments
–Hydrometeorological station
Liquid level gages
Observation wells
–Precipitation gages
Rain gages
–Running waters
Stream gages
–Surface waters
Water control
–Water levels
Water stage recorders
Water surface

Galleries 1313.1
RT –Cables
–Concrete dams
–Drainage
Groundwater flow
–Grouting
–Springs (water)

Galloping conductors 0901.1
RT Aeolian vibration
–Electric conductors
–Transmission lines
Transmission towers
–Wind (meteorology)

Galvanic corrosion 1113
BT –Corrosion
NT Stray current corrosion
RT Cathodic protection
–Corrosion control
Corrosion currents
Corrosion tests
Metal coatings
Stress corrosion

Galvanizing 1103
BT –Coatings
RT –Corrosion
–Corrosion control
Dipping
Metal coatings
–Protective coatings
Rust control
–Surfacing
–Zinc alloys

Galvanometers 1402
BT –Equipment
–Instrumentation
–Measuring instruments
–Test equipment
RT Ammeters
–Electric current
Ohmmeters
Voltmeters

Gambusia species
USE Livebearers

Game birds 0603.2
BT –Animals
–Birds
–Small game
–Wildlife
RT Animal groupings
Bird types
Brood stock
–Ducks (wild)
–Geese (wild)
Hunting
–Migratory birds
–Non-game birds
Non-migratory birds
–Waterfowl

Game management
USE Wildlife management

Game theory 1202
BT –Operations research
RT Decision making
Linear programming
–Mathematical models
Probability theory
Risks
Simulation
–Statistical models

Gametocides 0606
BT –Chemicals
–Pesticides
–Poisons
RT Ovicides
–Sterilants

Gamma particles
USE Gamma rays

Gamma probes 1402
BT –Nuclear probes
–Probes (instruments)
RT Gamma rays
Geophysical logging
–Geophysics
–Logging (recording)
Nuclear density meters
Nuclear moisture meters
Radioactive well logging
–Well logging

Gamma radiation
USE Gamma rays

Gamma rays 2006
UF Gamma particles
Gamma radiation
Radiation (gamma)
BT –Electromagnetic waves
–Radiation
–Waves
RT Cosmic rays
Gamma probes
Geiger counters
Nuclear moisture meters
–Nuclear probes
Radiation effects
Radioactive decay
Radioactivity
–Radiography
–Radioisotopes
X-rays

Gantry cranes
USE Hoisting machinery

Garages 1313.4
BT –Buildings
–Engineering structures
RT Automobiles
–Construction equipment
–Maintenance
Maintenance equipment
Parking areas
Repairing

Garbage 1302.1
BT –Wastes
RT Garbage dumps
Incinerators
Insect control
Refuse disposal
Sanitary engineering

Garbage dumps 1302.1
BT –Waste dumps
RT Domestic wastes
Garbage
Landfills
Municipal wastes
Refuse disposal
–Waste disposal

Gars 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Freshwater fish
–Wildlife

Gas chromatography 0704
BT –Analytical techniques
–Chromatography
RT –Chemical analysis
–Instrumentation
Qualitative analysis
–Quantitative analysis
Water analysis

Gases 0704
BT –Fluids
NT –Air
Argon
Carbon dioxide
Carbon monoxide
Coal gas
Compressed air
–Dissolved gases
Dissolved oxygen
Entrapped air
Helium
Hydrogen
–Inert gases
Methane
Natural gas
Neon
Nitrogen
–Oxygen
Ozone
Soil gases
–Vapors
–Water vapor
RT Aerodynamics
–Bubbles
Liquefied gases
–Liquid-gas interfaces
Liquids
Pore air pressure
Solids

Gases (ionized)
USE Magnetohydrodynamics

Gas hydration
USE Hydrate processes

Gaskets 1101
BT –Seals (stoppers)
RT Gate seals
–Leakage
O-ring seals
Water seals
Water stops

Gasoline 2104
RT Fuel oil
Fuels
–Internal combustion engines
Natural gas
Oil industry
–Oils
Oil wastes
Petroleum
Water pollution sources

Gasterosteus species
USE Sticklebacks

Gastropods 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Invertebrates
–Mollusks
NT Snails

Gate control 1313.7
BT –Control
–Hydraulic equipment
RT Automatic control
Fixed wheel gates
Gate hoists
–Gates
Gate seals
Gate seats
–Hoisting machinery
–Hydraulic gates
–Hydraulics
Miter gates

Gate hoists 1313.7
BT –Hoisting machinery
RT Coaster gates
Gate control
–Gates
Mechanical equipment

Gates 1313.7
NT Bulkhead gates
Coaster gates
Drum gates
Emergency gates
Fixed wheel gates
Floodgates
High pressure gates
–Hydraulic gates
Intake gates
Metergates
Miter gates
Radial gates
Roller gates
Roller-mounted gates
Sector gates
Slide gates
Sluice gates
Spillway gates
Stoney gates
Turnout gates
Wicket gates
RT –Barriers
Caissons
–Canals
–Check structures
–Dams
–Discharge (water)
Diversion structures
Diversion works
–Docks
–Flow control
Flow measurement
Gate control
Gate hoists
Gate seals
Gate seats
Headworks
–Hydraulic structures
Inhibitors
Lock gates
Locks (waterways)
–Orifices
Sluices
–Spillways
–Valves
Water hammer
–Weirs

Gate seals 1313.7
BT –Seals (stoppers)
RT Gaskets
Gate control
–Gates
Gate seats
Miter gates
–Sealants
Slots
Water seals

Gate seats 1313.7
RT Gate control
–Gates
Gate seals

Gate valves 1311
BT –Hydraulic valves
–Valves
RT Buried irrigation systems
Globe valves
Hollow jet valves
Plug valves
Sleeve valves

Gauges
USE Gages

Gaussian distribution 1201
BT –Analysis
–Numerical analysis
RT –Curves
Errors
–Mathematical analysis
–Mathematics
Statistics

Gears 1309
RT Clutches (mechanical)
Lubrication
Power transmission (mechanical)
–Pumps
Transmissions (mechanical)
Variable-speed drives
–Wheels

Geese (domestic)
USE Poultry

Geese (wild) 0603 2
BT –Animals
–Aquatic life
–Birds
–Migratory birds
–Waterfowl
–Wildlife
NT Black brant
Blue goose
Brant
Canada goose
Emperor goose
Snow goose
White-fronted goose
RT Game birds

Geiger counters 1804
BT –Counters
–Detectors
–Equipment
–Instrumentation
–Measuring instruments
–Radiation detectors
–Radiation measuring equipment
–Sensors
–Test equipment
RT Gamma rays
Half life
–Mining
Neutron counters
Radiation hazards
–Radiation measurement
Radioactive decay

Gels 0704
RT Coagulants
Coagulation
–Colloids
Thixotropy

Generating capacity 0903
RT –Electric generators
–Electric power
–Electric power production
Firm energy
Installed capacity
Power system operations
Spinning reserve

Generator-motors 0903 1002
RT –Electric generators
–Electric motors
–Electric power
–Electric power production
Pumped storage

Generators 1407
BT –Equipment
NT Dynamometers
–Electric generators
Magnetos
–Motor generators
Oscillators
Signal generators
Silver iodide generators
Turbogenerators
RT Boilers
–Electric power
–Electric powerplants
Farm equipment
Governors
Hydroelectric powerplants
–Turbines

Genetics 0603
NT Fish genetics
RT –Animals
–Biology
–Breeding
Chromosomes
Irradiation
Plant breeding
–Plants (botany)
Radioactivity effects
–Reproduction (biology)
–Resistance
Sterility
Transpiration

Geochemistry 0804
BT –Chemistry
–Sciences
NT Soil chemistry
RT –Chemical analysis
–Chemical properties
Geologic control
–Geologic investigations
–Geology
–Geophysics
Humid areas
–Hydrology
Mineralogy
Radioactive dating
Soil analysis
Trace elements
–Water chemistry
Weathering

Geodesics
USE Geodesy

Geodesy 0805
UF Geodesics
RT Earth (planet)
Geodetic surveys
–Geography
–Geology
–Geophysics
Gravimeters
Gravity
Gravity studies
Magnetic surveys
Magnetometers
–Measurement
–Surveying
–Surveys
Triangulation nets

Geodetic surveys 0805
BT –Surveys
RT Aerial surveys
Geodesy
Geological surveys
Hydrographic surveys
Magnetic surveys
–Plane surveying
–Surveying
Topographic surveys
Topography
Triangulation nets

Geodimeters 1402
BT –Equipment
–Instrumentation
–Measuring instruments
–Test equipment
RT Surveying instruments
Tellurometers

Geographical regions 0806
Use of a more specific term is recommended
BT –Regions
NT Alabama
Alaska
Arizona
Arkansas
California
Colorado
Connecticut
–Corn belt
Delaware
Florida
Georgia
Hawaii
Idaho
Illinois
Indiana
Iowa
Kansas
Kentucky
Louisiana
Maine
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
Missouri
Montana
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Ohio
Oklahoma
Oregon
Pennsylvania
Rhode Island
South Carolina
South Dakota
Tennessee
Texas
United States
Utah
Vermont
Virginia
Washington
West Virginia
Wisconsin
Wyoming
RT –Climate
Climatic zones
–Geography
Terrain

Geography 0806
BT –Social sciences
NT Biogeography
Deserts
RT Arid climates
–Climate
Climatic zones
–Climatology
Earth (planet)
Geodesy
–Geographical regions
Geomorphology
–Land forms
–Maps
–Morphology
Polar regions
Tropical regions

Geohydrologic units 0808 1
RT Aquicludes
–Aquifers
–Groundwater
Groundwater basins
Groundwater depletion
Groundwater geology
–Hydrogeology

Geohydrology
USE Hydrology

Geological engineering
USE Engineering geology

Geological faults
USE Faults (geology)

Geological planes
USE Geologic structures

Geological surveys 0807
BT –Surveys
RT Aerial surveys
Geodetic surveys
–Geologic formations
–Geologic investigations
Geologic mapping
Geologic maps
Geomorphology
Hydrographic surveys
Photogrammetry
Reconnaissance surveys

Geologic control 0807
BT –Control
RT Bedrock
Flood control
–Geochemistry
–Geology
Geomorphology
Groundwater barriers
–Hydrogeology
Sediment control
Stratigraphy
Stream drainage patterns
Structural geology

Geologic deposits 0807
NT –Alluvial deposits
Alluvium
–Colluvium
Detritus
–Glacial deposits
Glacial soils
Moraines
Rock flour
Talus
Terrace deposits
RT –Aeolian soils
Debris
Deposition
–Erosion
Flood plains
–Gravels
–Land forms
Littoral materials
Ores
–Rocks
Sand bars
–Sands
–Sediment deposits
–Sediments
–Silts
Wind erosion

Geologic formations 0807
BT –In situ rock
NT Bedrock
RT Aquicludes
–Aquifers
Aquitards
Beds (geology)
Foundation rocks
Geological surveys
–Geologic investigations
Geologic mapping
Geologic maps
–Geology
–Igneous rocks
–Metamorphic rocks
Oil reservoirs
Outcrops
Overburden
–Rocks
–Sedimentary rocks
–Sedimentary structures
–Soils
Strata
Stratigraphy
Strip aquifers
Structural geology
Varves

Geologic investigations 0807
BT –Investigations
NT Petrographic investigations
RT Beds (geology)
–Borehole cameras
Discontinuities
–Drilling
Engineering geology
–Exploration
Field classifications
Field data
–Field investigations
Foundation investigations
–Geochemistry
Geological surveys
–Geologic formations
Geologic mapping
Geologic maps
–Geology
Geophysical logging
–Geophysical prospecting
–Geophysics
Gravimetric prospecting
–Hydrogeology
–In situ rock
–Logging (recording)
Logs
Photogeology
Preliminary investigations
Reconnaissance surveys
Seismic investigations
Site selection
Soil investigations
Subsurface investigations
–Surveying
–Surveys
–Well logging

Geologic mapping 0807
BT –Mapping
RT Geological surveys
–Geologic formations
–Geologic investigations

Geologic mapping (Con.)
Geologic maps
–Geology
–Geophysical prospecting
Groundwater geology
–Hydrogeology
–Maps
Site selection
Stratigraphy
Structural geology
Subsurface mapping

Geologic maps 0807
BT –Maps
RT Geological surveys
–Geologic formations
–Geologic investigations
Geologic mapping
–Mapping
Photointerpretation
Soil maps
Subsurface mapping

Geologic structures 0807
UF Geological planes
NT Faults (geology)
–Fissures (geology)
Folds (geology)
Foliation
Joints (geology)
Varves
RT Cleavage
Geomorphology
–Land forms
–Sedimentary structures
Structural geology

Geologic time 0807
NT –Cenozoic era
Mesozoic era
Paleozoic era
Pleistocene epoch
Precambrian eras
–Quaternary period
Recent epoch
Tertiary period
RT –Dating
–Geology
History
Radioactive dating
Stratigraphy
–Time

Geology 0807
BT –Sciences
NT Engineering geology
Geomorphology
–Glacial geology
Groundwater geology
–Hydrogeology
Marine geology
Mineralogy
–Petrography
–Petrology
Photogeology
Sedimentary petrology
Sedimentology
Structural geology
RT Archaeology
Bedrock
Beds (geology)
–Earth movements
–Earthquakes
Extrusions
Fossils
Foundation rocks
–Geochemistry
Geodesy
Geologic control
–Geologic formations
–Geologic investigations
Geologic mapping
–Geologic time
–Geophysics
–Glacial deposits
Glacial soils
Glaciation
Glaciers
Groundwater hydrology
–Igneous rocks
–In situ rock
–Metamorphic rocks
–Meteoric water
–Meteorology
Moraines
Oceanography
Oceans
Outcrops
Paleontology
Palynology
Petrographic investigations
Rock mechanics
–Rocks
–Sedimentary rocks
–Sedimentation
Sediment production
–Sediments
Seismology
–Soils
Soil science
Strata
Symbols

Geomagnetism
USE Terrestrial magnetism

Geometric shapes 1409
NT Area capacity curves
–Circles (geometry)
Compression curves
Cones (mathematics)
–Curves
Disks (shapes)
Draft-storage curves
Drawdown curves
Flow duration curves
Frequency curves
Helixes
Horizontal curves
Mass curves
Prisms
Proctor curves
Spheres
Spirals
–Stress circle
Stress-strain curves
RT Asymmetry
–Envelopes
Flat surfaces
Geometry
Particle shape
–Profiles
Spillway profiles
–Surfaces
Trigonometry
Wedges

Geometry 1201
BT –Mathematics
RT Angles (geometry)
Area
Asymmetry
–Circles (geometry)
Cones (mathematics)
–Coordinates
Curved profiles
–Curves
–Diagrams
–Dimensions
Distance
–Envelopes
–Geometric shapes
Helixes
Horizontal curves
Mean diameter
Median diameter
Position finding
Prisms
–Shape
Spheres
Spirals
–Surveys
Symmetry
Tensor analysis
Trigonometry
Vector analysis
Volume

Geomorphology 0807
UF Physiography
BT –Geology
–Morphology
–Sciences
RT –Beaches
Berms
Cirques
Deltas
Drainage density
Dune succession
–Environmental effects
–Erosion
Fjords
Flood plains
–Fluvial morphology
–Geography
Geological surveys
Geologic control
–Geologic structures
–Glacial deposits
–Glacial geology
Glacial soils
Glaciation
Glaciers
Graded
–Gradients
–Hydrogeology
Karst
–Land forming
–Land forms
Land subsidence
Marine geology
Meanders
Moraines
Mountains
Mud flats
Oceans
Orography
Photogeology
Potholes
–Quaternary period
Reefs
–Regions
–Rivers
–Running waters
–Runoff
Sand bars
Sand spits
Scenery
Sedimentary basins (geological)
Sedimentology
Shoaling
Shoals
–Slopes
Stream drainage patterns
Streamflow regulation
Stream meandering
–Streams
Structural geology
Superimposed drainage
Terraces (geological)
Terrain
Terrain analysis
Topography
–Valleys
Volcanoes
Water gaps
Weathering

Geophones 1402
BT –Equipment
–Instrumentation
–Test equipment
RT Accelerometers
–Detectors
–Earth movements
–Geophysics
Rock noise
Seismic investigations
–Seismic prospecting
–Seismic waves
Seismographs
Seismology
–Sound waves
–Vibration

Geophysical logging 1402
BT –Logging (recording)
RT Borehole geophysics
–Density
–Electrical logging
Electrical well logging
Gamma probes
–Geologic investigations
–Geophysical prospecting
–Geophysics
Geothermal prospecting
Gravimetric prospecting
Magnetometers
Nuclear density meters
Nuclear moisture meters
–Nuclear probes
Porosity
Resistivity surveys
Rock properties
Seismic investigations
Seismic refraction
Seismic velocity
Subsurface investigations
–Well logging

Geophysical prospecting 0807
BT –Exploration
NT –Electrical prospecting
Geothermal prospecting
Gravimetric prospecting
Magnetic surveys
Resistivity surveys
–Seismic prospecting
RT Aerial surveys
Borehole geophysics
–Electrical logging
Electrical well logging
Engineering geology
Foundation investigations
–Geologic investigations
Geologic mapping
Geophysical logging
–Geophysics
Gravimeters
–Hydrogeology
–Logging (recording)
Magnetometers
Radioactive well logging
Reconnaissance surveys
Seismic refraction
Subsurface investigations
–Well logging

Geophysics 0807
BT –Physics
–Sciences
NT Borehole geophysics
–Geothermal studies
Gravity studies
Magnetic surveys
Seismic studies
RT Boreholes
Crusts
–Electrical logging
–Electrical prospecting
Electrical resistivity
Electrical studies
Electrical well logging
Engineering geology
Gamma probes
–Geochemistry
Geodesy
–Geologic investigations
–Geology
Geophones
Geophysical logging
–Geophysical prospecting
Geothermal prospecting
Gravimeters
Gravimetric prospecting
Gravity
Ground currents
Groundwater geology
–Hydrogeology
Hydrographic surveys
Hydrography
–Hydrology
International geophysical year
Magnetic fields
–Petrology
Radioactive well logging
Radioactivity
Remote sensing
Resistivity surveys
Rock noise
Seismic investigations
–Seismic prospecting
Seismic refraction
Seismology
Subsurface mapping
–Surveying
–Surveys
Terrestrial magnetism
–Well logging

Georgia 0806
BT –Coastal plains
–Geographical regions
–States (geographical)

Geothermal powerplants 1002 1
BT –Industrial plants
–Powerplants
RT –Electric power
–Electric power production
–Geothermal studies
–Hot springs
Thermal energy
Thermal power
Thermal powerplants

Geothermal prospecting 0807
BT –Exploration
–Geophysical prospecting
–Geothermal studies
RT Borehole geophysics
Boreholes
Geophysical logging
–Geophysics
Temperature rise
–Temperature sensors
–Well logging

Geothermal studies 0807
UF Thermal studies
BT –Geophysics
NT Geothermal prospecting
RT Borehole geophysics
Geothermal powerplants
Heat flow
–Hot springs
–Temperature
Thermal conductivity
–Thermal properties
Warm springs
–Well logging

Geotropism 0603
BT –Tropisms
RT Gravity
–Plant growth
Root distribution
Root systems

Germanium 0702
BT –Chemical elements
RT Germanium alloys
Germanium compounds

Germanium alloys 1106
BT –Alloys
–Metals
RT Germanium

Germanium compounds 0702 0703
BT –Chemical compounds
RT Germanium

Germicides
USE Bactericides

Germination 0603
RT Growing period
–Growth stages
–Plant growth
Plant physiology
Seeds
Spores
–Vegetation establishment
Viability

Geysers 0808.1
BT –Hot springs
–Running waters
–Springs (water)
–Thermal springs
RT Juvenile water
Mineral water
–Pressure
Steam
–Subsurface waters
Thermal water
Warm springs

Gibson method 1402
BT –Water measurement
RT Chemical dilution method
Salt velocity method
Turbine efficiency

Gill nets 0511
BT –Nets

Girders 1313.5
BT –Structural members
NT Plate girders
RT Bascule bridges
–Beams (structural)
Bents (structural)
Box beams
–Bridges (structures)
Composite beams
Compression members
–Construction
Deep beams
Hybrid beams
Spans
–Structural design
–Supports
Web beams

Glacial boulders
USE Glacial deposits

Glacial clays
USE Glacial deposits

Glacial deposits 0807
UF Boulders (glacial)
Clays (glacial)
Deposits (glacial)
Glacial boulders
Glacial clays
Glacial drift
Glacial outwash plains
BT –Geologic deposits
NT Glacial soils
Moraines
RT –Alluvial deposits
Boulders
–Geology
Geomorphology
–Glacial geology
Glaciation
Glaciers
–Land forms
Paleosols
Placer mining
Rock flour
–Sedimentation
–Sediment deposits
Sediment production
–Sediments
Terrace deposits

Glacial drift
USE Glacial deposits

Glacial flour
USE Rock flour

Glacial geology 0807
BT –Geology
–Morphology
NT Glaciation
Glaciers
Moraines
RT Cirques
Fjords
Geomorphology
–Glacial deposits
Glacial soils
Paleoclimatology
Paleosols
Pleistocene epoch
Topography

Glacial outwash plains
USE Glacial deposits

Glacial soils 0807
BT –Earth materials
–Geologic deposits
–Glacial deposits
–Materials
–Soils
–Soil types
RT –Alluvial deposits
–Geology
Geomorphology
–Glacial geology
Glaciation
Glaciers
–Land forms
Moraines
Paleosols
–Sediment deposits

Glaciation 0807
BT –Glacial geology
RT Cirques
Climatic changes
Deposition
–Erosion
–Geology
Geomorphology
–Glacial deposits
Glacial soils
Glaciers
Lake morphology
–Land forms
Moraines
Pleistocene epoch
Rock flour
Scour
Sediment production
–Valleys

Glaciers 0806 0812
BT –Glacial geology
RT Ablation
Arctic
Cirques
–Climatology
Crevasses
Cryology
Firn
Fjords
–Geology
Geomorphology
–Glacial deposits
Glacial soils
Glaciation
Hydrologic cycle
–Ice
Icebergs
Ice formation
–Melt water
Moraines
Rock glaciers
–Runoff
Scour
Snowmelt
Snowpacks
Water sources

Glass 1102
BT –Building materials
–Construction materials
NT Laminated glass
RT –Ceramic materials
Glass fibers
–Materials
–Optical properties

Glass fibers 1105
BT –Fibers
RT –Glass
Glass reinforced plastics
–Mechanical insulation
–Reinforcing materials

Glass reinforced plastics 1109
BT –Building materials
–Plastics
RT Glass fibers
Laminated glass
–Materials

Globe valves 1311
BT –Hydraulic valves
–Valves
RT Gate valves
Hollow jet valves
Plug valves
Sleeve valves

Glycine max
USE Soybeans

Gneiss 0807
BT –Crystalline rocks
–Metamorphic rocks
–Rocks
RT Schist

Goals
USE Objectives

Goats 0603.2
BT –Animals
–Domestic animals
–Livestock
–Mammals

Goggles 1312
RT Lenses (optical)
–Safety

Gold 0702
BT –Chemical elements
–Metals
RT Drift mining
Hydraulic mining
–Mines
Panning
Placer mining
–Refractory metals

Goldeneye duck (barrows)
USE Barrows goldeneye duck

Goldeneye duck (common)
USE Common goldeneye duck

Gold radioisotopes 1802
BT –Isotopes
–Radioisotopes

Golf courses 0511
RT Landscaping
Lawns
–Recreation
–Recreation facilities
Sprinkler irrigation

Gonads 0603
RT –Reproduction (biology)
Sexual maturity

Gophers 0603.2
BT –Animals
–Mammals
–Rodents
–Small animals (mammals)
–Wildlife

Gorges
USE Canyons

Gossypium species
USE Cotton

Government employees 0509
UF Civil service employees
BT –Personnel
RT Cities
Civil service
Federal agencies
Federal government
Local governments
Manpower
State governments
United states government

Government finance 0503
RT –Costs
–Economics
Farm prices
Finance
Financial analysis
Financing
–Governments
Government supports
Parity prices
–Taxes

Governments 0504
NT Federal government
Local governments
State governments
United states government
RT –Administration
Allotments
Civil service
Drainage districts
–Economics
Foreign countries
Government finance
Government supports
Institutional constraints
–Institutions
Inter-agency cooperation
Interstate
Irrigation programs
Laws
–Legal aspects
Legislation
–Networks
–Organizations
–Planning
Political aspects
Political science
Public utility districts
–Regulations
Revenues
Sewage districts
–Standards
Water districts
–Water law
–Water policy
Water resources development

Government supports 0503
RT Cost repayment
Government finance
–Governments
Parity prices
United states government

Governors 1307.1 1309
(speed regulators)
UF Speed regulators
BT –Control
RT Automatic control
–Control equipment
Control systems
–Generators
–Hydraulic machinery
–Hydraulic turbines
Servomechanisms
–Turbines
Wicket gates

Gradation 1407
BT –Physical properties
RT –Aggregates
–Classifications
Cobbles

Gradation (Con.)
–Dimensions
-Fines
French drains
- Gradation analysis
Grain shapes
Grain sizes
Mass
–Mechanical analysis
Particle size
Screening
Settling velocity
Sieve analysis
Sieves
–Size
Soil classifications
–Soil physical properties
–Soil properties
Soil texture
Specific surface
Texture
Thermocline
Uniformity coefficient
Visual classifications

Gradation analysis 1402
BT –Analysis
NT Sieve analysis
RT Acceptance tests
–Dimensions
Gradation
Grading (earthwork)
Grain sizes
Hydrometers
–Mechanical analysis
Particle shape
Particle size
Screening
–Size
Soil classifications
–Soil tests
Uniformity coefficient

Graded 1407
RT Aggradation
–Aggregates
–Beds
Degradation (stream)
Deposition
–Dimensions
–Erosion
Geomorphology
–Land forming
–Profiles
Regime
Roadbanks
Road construction
–Shape
–Size
–Slopes
–Streams
Terracing
Waterfalls

Graders
USE Earth handling equipment

Grades
USE Gradients

Gradients 1407
UF Grades
NT Energy gradient
Hydraulic gradient
Thermal gradient
RT Angles (geometry)
Bedload movement
Bed movements
–Curves
–Energy dissipation
Energy equation
Energy losses
–Flow control
Geomorphology
Graphical analysis
Head losses
Isobars
Isotherms
Optimization
–Profiles
Slope angles
–Slopes
Topography
Vector analysis

Grading (earthwork) 1302 1315
RT –Construction
–Earth handling equipment
Earthmoving
–Embankments
–Excavation
Flat surfaces
–Gradation analysis
Grain sizes
Land preparation
Roadbanks
Road construction
–Slopes
Stripping
Surface preparation

Gradually varied flow 2004
BT –Flow
–Movement
RT Flow patterns
Steady flow
–Tides
Uniform flow

Grains (crops) 0204
RT Barley
–Cereal crops
Corn (field)
–Feeds
Oats
Rice
Seeds
Sorghum
Soybeans
Straw
Wheat

Grain shapes 1407
BT –Shape
RT Asymmetry
–Classifications
Gradation
Grain structure (metals)
–Granular materials
Mean diameter
Median diameter
Microstructure
Particle shape
Petrofabrics
Soil classifications
–Soil physical properties
–Soil properties
Soil texture
Specific surface
–Surface properties
Symmetry
Texture
Visual classifications

Grain sizes 1407
BT –Size
RT –Clays
Coarse aggregates
–Colloids
–Dimensions
Fine aggregates
–Finegrained soils
–Fines
Gradation
–Gradation analysis
Grading (earthwork)
Grain structure (metals)
–Granular materials
–Gravels
Mean diameter
–Mechanical analysis
Median diameter
Particle shape
Particle size
–Pervious soils
Powders
–Sands
Screening
Sieve analysis
–Silts
Soil classifications
–Soil physical properties
–Soil properties
Soil texture
Specific surface
Texture
Uniformity coefficient
Visual classifications

Grain sorghum
USE Sorghum

Grain structure (metals) 1106
RT Grain shapes
Grain sizes
Microstructure
–Nuclei
Particle shape
Particle size
Texture

Grama grasses 0603
UF Black grama
Bouteloua species
BT –Agronomic crops
–Crops
–Field crops
–Forage grasses
–Forages
–Grasses
–Monocots
–Plants (botany)
–Range grasses

Grammars 0507
RT Clarity
Communication
Editing
Errors
Machine translating
Report writing
Semantics
–Technical writing

Grand fir trees 0603.1
UF Abies grandis
BT –Coniferous trees
–Conifers
–Fir trees
–Gymnosperms
–Plants (botany)
–Trees

Granite 0807
BT –Acidic rocks
–Crystalline rocks
–Igneous rocks
–Plutonic rocks
–Rocks
RT Pegmatites
Rhyolite

Grants 0503
RT Allotments
Bids
Capital
Capital supply
–Contracts
Cost repayment
Credit
Finance
Financing
–Projects
–Research and development
Technical societies

Granular materials 1107
BT –Materials
NT –Aggregates
Beach sands
Cinders
Coarse aggregates
Crushed stone
Dune sands
–Gravels
Lightweight aggregates
Pea gravel
Quicksand
–Sands
Soil aggregates
RT Cohesionless soils
Fine aggregates
–Fines
Fragmented materials
Grain shapes
Grain sizes
Granules
Particles
Particle shape
–Pervious soils
Powders
Relative density

Granules 1407
RT Application equipment
–Application methods
–Dust
Formulation
–Granular materials
Graupel
Particle shape
Particle size
Powders

Grapefruit 0204
UF Citrus paradisi
BT –Citrus fruits
–Crops
–Dicots
–Fruit crops
–Horticultural crops
–Plants (botany)
–Stone fruits
RT Orchards
–Trees

Graphical analysis 1201
UF Curves (graphic)
Graphic charts
Graphic curves
Graphic statics
Graphs
BT –Analysis
RT Area capacity curves
–Charts
Computer applications
Data reduction
–Diagrams
Drawings
–Gradients
Hodographs
Nomographs
–Statics
–Statistical analysis
Tensor analysis
Vector analysis
Waveforms

Graphic charts
USE Graphical analysis

Graphic curves
. USE Graphical analysis

Graphic statics
USE Graphical analysis

Graphite 0807
BT –Minerals
RT Anodes
Carbon
Greases
Lubricants

Graphs
USE Graphical analysis

Grassed waterways 0808
UF Waterways, grassed
BT –Channels
–Waterways
RT Agricultural watersheds
–Conservation
Contour farming
–Drains
–Land forming
–Open channels
–Resource conservation
Retardance
–Spillways
Surface drainage
Surface runoff
Terraces
Terracing
Water conservation
Water conveyance
Watershed management

Grasses 0603.1
BT –Monocots
–Plants (botany)
NT Bahiagrass
Barley
Bermudagrass
–Bluegrasses
Bromegrass
–Cereal crops
Coastal bermudagrass
Corn (field)
Dallisgrass
Fescues
–Forage grasses
Grama grasses
Johnsongrass
Kentucky bluegrass
Merion bluegrass
Oats
Orchardgrass
Perennial ryegrass
Popcorn
–Range grasses
Reeds
Rice
Sorghum
Sudangrass
Sweet corn
Switchgrass

Grasses (Con.)
–Turf grasses
Wheat
Wheatgrasses
Wild rice
RT –Biology
Forage mixtures
Grazing land
Ground cover
Hay
Plant groupings
Silage
Straw

Grasslands 0806
UF Pampas
Prairies
Savannas
Steppes
BT –Biomes
–Land
–Regions
NT Pasture
RT Brown soils
Chernozems
Chestnut soils
–Conservation
Cultivated lands
–Ecology
–Forages
Grazing
Grazing land
–Natural resources
–Pedocals
Prairie soils
Ranges
–Resource conservation
Semiarid climates
Subhumid climates
–Succession
Temporary pond stage
Terrain
Terrestrial habitats
–Vegetal cover
Vegetation

Graupel 0402
BT –Precipitation (atmospheric)
–Snow
RT Granules
Hail
Sleet

Gravel blankets 1313.1
BT –Blankets
RT Bedding materials
–Dams
–Earth dams
–Gravels
Pervious linings
Rock blankets

Gravel packs
USE Well filters

Gravel pits 1303
BT –Pits
RT –Aggregates
Borrow pits
Dredging
–Excavation
–Gravels
Pit run materials
–Porous materials
Quarrying
Sand pits
–Sands

Gravels 0807
UF Sandy gravel
Silty gravel
BT –Construction materials
–Earth materials
–Granular materials
–Materials
–Pervious soils
–Soils
–Soil types
NT Pea gravel
RT –Aggregates
–Alluvial deposits
Boulders
Cinders
Coarse aggregates
Cobbles
Cohesionless soils
Crushed stone
–Drains
–Filters
French drains
–Geologic deposits
Grain sizes
Gravel blankets
Gravel pits
Grit
Groundwater geology
Hydraulic mining
Loose soils
Particle size
–Pervious blankets
Pipe bedding
Pit run materials
Placer mining
Quarries
Relative density
–Sands
–Sediment deposits
–Sediments
Soil classifications
Soil components
Terrace deposits
Well filters

Gravimeters 1402
UF Gravity meters
BT –Equipment
–Instrumentation
–Measuring instruments
–Test equipment
RT Accelerometers
Geodesy
–Geophysical prospecting
–Geophysics
Gravimetric prospecting
Gravity
Gravity studies
Pendulums
–Well logging

Gravimetric analysis 0704
BT –Analysis
–Analytical techniques
–Chemical analysis
–Quantitative analysis
RT Volumetric analysis
–Weight

Gravimetric prospecting 0807
BT –Exploration
–Geophysical prospecting
RT –Geologic investigations
Geophysical logging
–Geophysics
Gravimeters
Gravity
Subsurface investigations

Gravimetry 1402
RT Gravity
Hydrometry
–Measurement

Gravitation
USE Gravity

Gravitational water 0808.1
UF Free water
BT –Subsurface waters
–Water
–Water types
RT –Capillary water
Excess water (soils)
–Groundwater
Hygroscopic water
Infiltration
Percolation
Permeability
–Phreatic water
–Seepage
–Soil types
–Soil water
Specific yield
–Vadose water

Gravity 2011
UF Gravitation
RT Ballistics
Dry weight
Geodesy
–Geophysics
Geotropism
Gravimeters
Gravimetric prospecting
Gravimetry
Gravity studies
Pendulums
Potential energy
Specific gravity
–Weight

Gravity dams 1313.1
BT –Dams
RT –Arch dams
Buttress dams
–Concrete dams
–Earth dams
Masonry dams
Mass concrete
Multiple arch dams
Rockfill dams

Gravity flow
USE Percolation

Gravity irrigation 0203.1
BT –Irrigation
–Irrigation systems
NT Border irrigation
Buried irrigation systems
–Distribution systems
–Furrow irrigation
Mist irrigation
Recirculating irrigation system
Sprinkler irrigation
Subsurface irrigation
Trickle irrigation
RT Baffles
Diversion works
Flood irrigation
–Irrigation practices
Open channel flow
–Open channels
Turnouts

Gravity meters
USE Gravimeters

Gravity studies 0805
BT –Geophysics
–Physics
RT Geodesy
Gravimeters
Gravity

Gray-brown podzolic soils 0807
BT –Acidic soils
–Pedalfers
–Podzols
–Soil groups
–Soils
–Soil types
RT Deciduous forests
Forest soils
Humid climates
Rain forests
Temperate
Wet climates

Grazing 0205
UF Continuous grazing
Deferred grazing
Rotation grazing
RT Carrying capacity
–Forages
–Grasslands
Grazing land
Pasture management
Range management

Grazing land 0205
UF Range land
BT –Land
RT –Grasses
–Grasslands
Grazing
–Livestock
Pasture management
–Range grasses
Range management

Greases 1108
RT Graphite
Lubricants
–Oils
Petroleum

Greater scaup duck 0603.2
UF Aythya marila
Scaup (greater)
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Great ponds 0808
BT –Bodies of water
–Lakes
–Ponds
–Standing waters
–Surface waters

Great rivers
USE Navigable rivers

Green algae
USE Chlorophyta

Greenhouses 0203
RT –Environments
Growth chambers
–Plants (botany)
Shelters

Green-winged teal 0603.2
UF Anas carolinesis
Teal (green winged)
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Grids (electric)
USE Interconnected systems

Grid systems 0802
BT –Coordinates
RT Dam design
–Mapping
–Surveying
–Surveys

Griffith theory 2012
BT –Brittle fracture theory
–Theory
RT Cracking
–Cracks
–Failure (mechanics)
–Fractures
Strength of materials

Grillage footings 1313.6
BT –Footings
–Foundations
RT Belled footings
Flexible foundations
Pressed plate footings
Pull-out tests
–Rigid foundations
Spread footings
Spread foundations
Transmission towers

Grilles 1313.4
RT Air circulation

Grinders 1309
UF Grinding machinery
Sanders
BT –Machine tools
NT Ball mills
Rod mills
RT Abrasives
Buffers (industrial equipment)
–Drilling equipment
Grinding
Lathes
Milling machines

Grinding 1308
RT Abrasion
Abrasives
Ball mills
–Beneficiation
Buffers (industrial equipment)
Crushing
–Cutting
Disintegration
–Finishing
Fragmentation
–Grinders
Grooves
Machining
–Planning
Rock breakage
Rod mills
Shaping
Surface preparation

Grinding machinery
USE Grinders

Grit 0807
RT Abrasives
—Gravels
Particles
—Sands
—Sediments

Groins (structures) 1313.1
BT —Walls
RT Channel erosion
Channel improvements
Channel protection
Dikes
Gabions
Jacks (structural shape)
River training
Shore protection
Stable channels

Grooves 1308
RT —Cutting
Grinding
Keyways
Machining
Shaping

Gross income 0503
UF Total income
BT —Income
RT Gross profit
Net income

Gross national product 0503
RT —Consumers
Federal government
National income

Gross profit 0503
BT —Profit
RT Gross income
Net profit

Ground cover 0603.1
RT —Beautification
—Brush
—Cover crops
—Grasses
—Plants (botany)
Seeding
Soil erosion
Vegetation
—Weeds

Ground cover effects
USE Vegetation effects

Ground currents 0901.1
BT —Electric current
RT Corrosion currents
—Electrical prospecting
—Geophysics
Ground mats
Ground return
Induced currents
Lightning
Soil resistivity

Grounding (electrical)
USE Electrical grounding

Ground mats 0903
RT Electrical grounding
—Electric current
Ground currents
Ground return

Ground return 0901.1
RT Direct current
Electrical grounding
Ground currents
Ground mats
—Transmission (electrical)

Groundwater 0808.1
UF Plerotic water
Unconfined water
Underground water
BT —Fluids
—Subsurface waters
—Water
NT Artesian water
Confined water
Malenclaves
Perched water
Percolating water
Saline groundwater
Underflow
RT Aquifer characteristics
Aquifer model
—Aquifers
Artesian aquifers
Artesian wells
Bank storage
Base flow
Brackish water
Conjunctive use
Connate water
—Currents (water)
Darcys law
Dewatering
—Discharge (water)
Dowsing
Drainage effects
Effluent streams
—Fresh water
Geohydrologic units
Gravitational water
Groundwater basins
Groundwater depletion
Groundwater flow
Groundwater geology
Groundwater hydrology
Groundwater management
Groundwater mining
Groundwater movement
Groundwater quality
Groundwater recharge
—Groundwater sources
—Hot springs
Hydraulic conductivity
—Hydrogeology
—Hydrographs
Hydrologic budget
Hydrologic cycle
Hydrologic equation
—Hydrologic models
—Hydrology
Infiltration
Influent streams
Irrigation wells
Karst
Land subsidence
Leaching
Observation wells
Oil-water interfaces
Outflows
Overdraft
Overlying proprietor
Perched water table
—Pervious soils
Phreatic lines
—Phreatic water
Piezometry
Potentiometric level
—Precipitation (atmospheric)
Prescriptive rights
Quicksand
Railroad tunnels
—Recharge
Recharge wells
Retention
Return flow
—Running waters
Safe yield
—Saline water
—Saline water intrusion
Saturation
Saturation zones
—Seepage
Shallow wells
Sinkholes
Sinks
Soil moisture movement
—Soil water
Soil-water relationship
Soil water storage
Specific capacity
Spreading basins
—Springs (water)
Strip aquifers
Subsurface moisture
Surface-groundwater relationships
—Surface waters
Two-part aquifers
Underground water storage
Unlined tunnels
Water costs
—Water management (applied)
—Water resources
—Water resources management
Water sources
—Water storage
Water supply
—Water supply forecasting
Water supply systems
—Water table
—Water wells
—Wells
Zone of saturation

Groundwater barriers 0808.1
BT —Barriers
RT Aquicludes
—Aquifers
Bedrock
Closed basins
Faults (geology)
Geologic control
Groundwater mounds
Groundwater movement
Groundwater potential
Impervious soils
Lenses (soils)
Obstruction to flow
Strip aquifers

Groundwater basins 0808.1
RT Aquicludes
—Aquifers
Aquitards
Artesian wells
—Basins
Closed basins
Geohydrologic units
—Groundwater
Groundwater geology
Groundwater mounds
Groundwater potential
—Groundwater sources
—Hydrogeology
—Hydrologic models
Safe yield
Subsurface moisture
—Subsurface waters
Underflow
Underground streams
—Watersheds (basins)
Water sources
—Water table
—Water wells
—Water yield

Groundwater depletion 0808.1
BT —Depletion
RT Artesian water
Dewatering
—Drawdown
Exploitation
Geohydrologic units
—Groundwater
Groundwater flow
Groundwater management
Groundwater mining
Groundwater movement
Groundwater potential
Groundwater recharge
Karst
Land subsidence
Overdraft
—Pumping
Recession curves
Shallow subsidence
—Subsidence
Water allocation (policy)
Water conservation
Water level fluctuations
—Water table
—Water wells

Groundwater flow 0808.1
UF Underground flow
BT —Flow
—Fluid flow
—Movement
—Porous media flow
RT Aquicludes
Aquifer model
—Aquifers
Artesian water
Artesian wells
Bank storage
Base flow
Darcys law
Dewatering
—Drawdown
—Field permeability tests
Flow nets
Fluorescein
Galleries
—Groundwater
Groundwater depletion
Groundwater movement
Groundwater recharge
Hydraulic conductivity
Hydrologic equation
—Hydrologic models
—Hydrology
Infiltration
Influent streams
Laminar flow
Outflows
Permeability
Phreatic lines
Pump tests
Quicksand
Recharge wells
Salt velocity method
Sand boils
—Seepage
Soil moisture movement
—Springs (water)
Subsurface flow
Subsurface runoff
Thiem test
Transmissibility coefficient
Underseepage
—Water table

Groundwater geology 0807
BT —Geology
—Hydrogeology
RT Aquifer characteristics
—Aquifers
Boreholes
Engineering geology
—Erosion
Geohydrologic units
Geologic mapping
—Geophysics
—Gravels
—Groundwater
Groundwater basins
Groundwater potential
—Hydrologic aspects
—Hydrologic models
—Hydrology
Marine geology
—Precipitation (atmospheric)
—Springs (water)
Stratigraphy

Groundwater hydrology 0808
BT —Hydrogeology
—Hydrology
RT —Aquifers
—Geology
—Groundwater
—Groundwater sources
—Lakes
Oceans
—Precipitation (atmospheric)
—Rivers
Salt water barriers
—Surface waters
—Water
—Watersheds (basins)
—Water table

Groundwater management 0808.1
BT —Management
—Water management (applied)
—Water resources management
RT Artesian water
—Field permeability tests
—Groundwater
Groundwater depletion
Groundwater mining
Groundwater potential
Groundwater quality
Groundwater recharge
Observation wells
Water conservation

Groundwater mining 0808.1 0809
BT —Mining
RT Artesian aquifers
Artesian water
—Depletion
—Groundwater
Groundwater depletion
Groundwater management
Groundwater movement
—Hydrologic models
Land subsidence
Overdraft
Prescriptive rights
—Pumping
—Recharge
—Water management (applied)
—Water resources management
—Water utilization
—Water wells
Withdrawal

Groundwater mounds 0808.1
RT Groundwater barriers

Groundwater mounds (Con.)
Groundwater basins
Groundwater potential
–Groundwater sources
Lenses (soils)
Subsurface moisture
–Water table

Groundwater movement 0808.1
BT –Flow
–Movement
–Porous media flow
RT Base flow
Capillary conductivity
Deep percolation
–Diffusion
–Discharge (water)
Dispersion
Dupuit-Forchheimer theory
Flow nets
Flow patterns
–Groundwater
Groundwater barriers
Groundwater depletion
Groundwater flow
Groundwater mining
Groundwater recharge
Head losses
Hydraulic conductivity
–Hydrologic models
Infiltration
Laplace equation
Mine drainage
Percolation
Permeability
Permeability coefficients
Potential flow
–Pumping
Resistance networks
–Runoff
Saturated flow
–Sediments
–Seepage
Soil moisture movement
Soil water movement
–Springs (water)
Subsurface flow
Subsurface runoff
Theis equation
Thiems equation
Transients
Transmissibility coefficient
Transmissivity
Underseepage
–Unsteady flow
Water level fluctuations
Zone of saturation

Groundwater potential 0808.1
RT Artesian aquifers
Artesian wells
Groundwater barriers
Groundwater basins
Groundwater depletion
Groundwater geology
Groundwater management
Groundwater mounds
–Groundwater sources
Underground streams
–Water
Water holes
Water sources

Groundwater quality 0808.1
RT Brackish water
–Groundwater
Groundwater management
–Groundwater sources
–Saline water
–Saline water intrusion
–Waste disposal
Water analysis
–Water pollution
Water pollution sources
–Water quality
Water quality control
Water sampling
Water sources

Groundwater recharge 0808.1
UF Groundwater spreading
Recharge (groundwater)
BT –Recharge
RT –Aquifers
–Artificial recharge
Drainage systems
–Flooding
–Groundwater
Groundwater depletion
Groundwater flow
Groundwater management
Groundwater movement
–Groundwater sources
–Hydrologic models
Induced infiltration
Infiltration
Injection
Injection wells
Leaching
Natural recharge
Percolation
–Phreatic water
Pit recharge
Recharge wells
–Saline water intrusion
Salt water barriers
–Seepage
Spreading basins
Two-part aquifers
Underground water storage
Water level fluctuations
–Water management (applied)
–Water resources management
Water salvage
Water sources

Groundwater reservoirs
USE Aquifers

Groundwater sources 0808.1
NT Antecedent precipitation
Drizzle
Effective precipitation
Excessive precipitation
Firn
Hail
Influent streams
Orographic precipitation
–Precipitation (atmospheric)
Rain
–Snow
RT –Aquifers
Artesian water
–Groundwater
Groundwater basins
Groundwater hydrology
Groundwater mounds
Groundwater potential
Groundwater quality
Groundwater recharge
Hydrologic cycle
Infiltration
Injection wells
Percolation
Recharge wells
Saline groundwater
Specific yield
–Water management (applied)
–Water resources management
Water sources
–Water supply forecasting
–Water table
Zone of saturation

Groundwater spreading
USE Groundwater recharge

Groundwater surface
USE Phreatic lines

Groundwater-surface relationships
USE Surface-groundwater relationships

Group dynamics 0510
BT –Dynamics
RT Industrial relations
–Management
Management planning
Management training
–Organizations
Personnel management
Problem solving
–Psychology
Social behavior
–Social sciences
–Sociology

Grout curtains 1313.6
BT –Curtains
RT Blanket grouting
Cement grouts
Chemical grouts
–Construction
Cutoffs
Dam foundations
–Grouting
Grouting pressure
Grout stops
Grout take
–Leakage
Reservoir leakage
–Sealants
–Seepage
Seepage control
Seepage losses

Grouting 1315
UF Foundation grouting
Injection grouting
NT Blanket grouting
RT Caulking
Cement grouts
–Cements
Chemical grouts
–Chemicals
–Clays
–Concrete placing
–Construction
Cutoffs
Dam construction
Dam design
Dam foundations
Dry pack mortar
–Earth dams
–Expansive clays
–Foundations
Galleries
Grout curtains
Grouting pressure
Grout stops
Grout take
Injection
–Leakage
–Mining
–Mortars
Mud
Mudjacking
Packers (grouting)
Prepacked concrete
Reservoir leakage
Rock foundations
–Sealants
–Seepage
Seepage control
Tunnel linings
Tunnel supports
Unlined tunnels
Uplift pressure
Watertight

Grouting pressure 1315
BT –Pressure
RT Blanket grouting
Grout curtains
–Grouting
Grout stops
Grout take
Hydraulic pressure
Packers (grouting)
Uplift pressure
Watertight

Grout stops 1303
RT Caulking
–Cracks
Grout curtains
–Grouting
Grouting pressure
Grout take
–Leakage
Packers (grouting)

Grout take 1315
RT Blanket grouting
Grout curtains
–Grouting
Grouting pressure
Grout stops

Growing period 0204
RT –Climatology
Consumptive use (water)
Crop response
Degree days
–Environmental effects
–Evapotranspiration
Germination
Growth rates
–Growth stages
–Metabolism
Period of growth
–Plant growth
Plant morphology
Plant physiology
–Productivity
Seasonal
–Temperature
–Time

Growth 0603
NT Crystal growth
Economic growth
–Plant growth
Vegetation regrowth
Weed growth
RT –Expansion
–Shrinkage
Swelling
Viability

Growth (plant)
USE Plant growth

Growth chambers 0203
RT –Environments
Greenhouses

Growth rates 0616
BT –Rates
RT Aging (biological)
Crop response
Crystal growth
Dendrochronology
–Environmental effects
Growing period
–Growth stages
–Life cycles
Life expectancy
Life history studies
Period of growth
–Plant growth
–Population
Population growth
–Productivity
–Size

Growth stages 0616
UF Stages of growth
NT Ammocetes
Bird eggs
Diapause
–Eggs
Embryonic growth stage
Fish eggs
Fry
Immature growth stage
Insect eggs
Juvenile growth stage
–Larvae
Larval growth stage
Mature growth stage
Sexual maturity
RT Age
Aging (biological)
–Animal physiology
Crop response
–Environmental effects
Fish physiology
Forage palatability
Germination
Growing period
Growth rates
–Life cycles
Life expectancy
Life history studies
–Metabolism
Period of growth
Phenology
–Plant growth
Plant morphology
Plant physiology
Rates of application
Root development
Root distribution
Root systems
–Size
–Time
Timing

Guarantees 0504.1
RT –Contracts
Purchasing
–Supply
Supply contracts

Guide vanes 2004
BT –Vanes
RT Aerodynamics
Fins
–Hydraulic turbines
–Stability
Stators
Turbine parts

Guide walls 1313.1
BT –Walls
RT Chutes
–Flow control

Guide walls (Con.)
Flow deflectors
Headwalls
–Outlet works
Spillway approach
–Spillways
Stilling basins
Training walls
–Transitions (structures)

Gulfs 0806
BT –Bodies of water
–Land forms
–Surface waters
RT –Aquatic habitats
Bays (topographic features)
Estuaries
Sea water
–Water

Gullies 0806
BT –Land forms
RT Arroyos
Canyons
–Ditches
–Erosion
Gully erosion
Guts
Ravines
–Streams
Washouts

Gulls 0603.2
BT –Animals
–Aquatic life
–Birds
–Non-game birds
–Water birds
–Wildlife
RT –Migratory birds

Gully erosion 0807
UF Gullying
BT –Erosion
RT Arroyos
Channel erosion
–Channels
Cuts
–Cutting
–Ditches
–Erosion control
Gullies
Ravines
Rill erosion
Soil erosion
Stream erosion

Gullying
USE Gully erosion

Gumbo 0807
BT –Earth materials
–Materials
–Soils
–Soil types
RT –Clays
Mud

Gunite
USE Shotcrete

Gusset plates 1313.5
BT –Plates
–Steel plates
RT –Fasteners
Flat plates
–Frames
–Joints (connections)
Riveting
Structural steel
–Trusses

Gusts 0402
BT –Wind (meteorology)
RT Blizzards
Cyclones
Hurricanes
–Storms
–Surges
Thunderstorms
Tornadoes
Turbulence
Typhoons
Wind bracing
Windbreaks
Wind erosion
Wind speed
Wind velocity

Guts 0806
RT –Channels
Gullies
Ravines
–Streams
Tidal marshes

Guttation
USE Exudation

Gutters
USE Drains

Guyed towers 1313.5
BT –Towers
RT Aluminum towers
Anchored towers
–Cables
Stay lines
–Transmission lines
Transmission towers
–Wire

Guy lines
USE Stay lines

Gymnosperms 0603.1
BT –Plants (botany)
NT Balsam fir trees
Bristlecone pine trees
–Coniferous trees
–Conifers
Douglas fir trees
–Fir trees
Grand fir trees
Hemlock trees
Jack pine trees
Juniper trees
Loblolly pine trees
Lodgepole pine trees
Noble fir trees
Pacific silver fir trees
–Pine trees
Pinyon pine trees
Ponderosa pine trees
Red fir trees
Red pine trees
Scotch pine trees
White-cedar trees
White fir trees
White pine trees
Yellow pine trees
RT Coniferous forests

Gypsum 0807
BT –Calcium compounds
–Calcium sulfate
–Inorganic compounds
–Minerals
–Sulfates
–Sulfur compounds
RT Anhydrite
–Mortars
Plaster
–Sedimentary rocks
Sinkholes
Sinks
Soluble rocks
Soluble salts

Gypsum moisture blocks
USE Bouyoucos blocks

Gyroscopes 1707
BT–Instrumentation
RT–Stabilization

H

Habitat improvement 0606
BT –Wildlife management
RT Fish and wildlife
Food and cover crops
Marsh management
Watershed management
–Wildlife
–Wildlife conservation
Wildlife habitats

Habitats 0606
BT –Environments
NT –Aquatic habitats
Deep-water habitats
Overwintering sites
Terrestrial habitats
Wildlife habitats
RT –Animal behavior
Autogenic succession
–Behavior
–Biological communities
–Biology
–Biomes
Burrows
Drainage effects
Early impoundment
–Ecology
–Environmental effects
Food and cover crops
Highway effects
Man
Nesting cover
Niches
–Post-impoundment
Pre-impoundment
Radioactivity effects
Shallow water
Shore-line cover
–Sites
Social behavior
–Succession
–Wildlife conservation

Hail 0402
UF Hailstones
Ice stones
BT –Groundwater sources
–Ice
–Precipitation (atmospheric)
RT Cumulonimbus clouds
–Freezing
Graupel
Hydrometeorology
–Storms

Hailstones
USE Hail

Haines apparatus 1402
RT Richards apparatus

Half life 1808
RT –Decomposition
Geiger counters
–Nuclear reactions
Radioactive dating
Radioactive decay
Radioactivity
–Radioisotopes

Halides 0702
BT –Chemical compounds
–Inorganic compounds
NT Calcium chloride
–Chlorides
Fluorides
Sodium chloride
RT Bromine
–Chlorine compounds
Cloud seeding
–Fluorine compounds

Halogenated pesticides 0606
BT –Organic pesticides
–Pesticides
NT Aldrin
–Chlorinated hydrocarbon pesticides
2.4-D
Dalapon
DDT
2.6-Dichlobenil
Dieldrin
Diquat
Endrin
Heptachlor
Monuron
2,4,5-T

Halogens 0702
BT –Chemical elements
–Nonmetals
NT Bromine
Chlorine
Fluorine

Halogeton 0204
BT –Crops
–Dicots
–Horticultural crops
–Phreatophytes
–Plants (botany)
–Weeds
RT Poisonous plants

Halophilic animals 0603.2
BT –Animals
RT Animal groupings
Arid lands
Salt tolerance
–Seashores

Halophilic plants
USE Halophytes

Halophytes 0603.1
UF Halophilic plants
BT –Plants (botany)
RT –Alkaline soils
Arid lands
–Desert plants
Dune succession
Plant groupings
Saline soils
Salt tolerance
–Seashores
–Xerophytes

Hammers 1309
NT Chipping hammers
RT Hand tools
Nails
–Pile driving
Pile-driving formulas
–Piles (foundations)
Presses

Hand augers 1309
BT –Augers
–Drilling equipment
–Drills
RT Auger borings
–Borings
Foundation investigations
Hand tools
–Sampling
Soil investigations
–Soil samplers

Handling equipment 1309
UF Fork lift
Pallets
RT –Cranes (hoists)
–Hoisting machinery
–Materials handling equipment
Overhead cranes

Hand tools 1309
RT –Augers
Dies
–Drills
–Hammers
Hand augers
–Jacks (mechanical)
–Machine tools
Reamers
Saws
Shovels
Wrenches

Harbors 1313
BT –Navigable waters
RT –Bodies of water
Breakwaters
Coastal engineering
–Coastal structures
Coasts
–Docks
–Engineering structures
–Excavation
Gabions
–Inland waterways
Inlets (waterways)
Jetties
Lighthouses
Marinas
Marine engineering
Mooring
Navigation
Port authorities
Ports
Rapid excavation
–Rivers
Rubble mounds
Sea walls
Shore protection
–Transportation
–Underwater excavation
Underwater explosions

Hardeners
USE Hardening

Hardening 1308
UF Hardeners
NT Strain hardening
RT Aging (physical)
Annealing
Coagulation
—Curing
Hardness
Hard surfacing
—Heat treatment
Initial set
—Mechanical properties
Microstructure
—Processing
Quenching
Setting (materials)
Solidification
Steam curing
Stiffening
—Surface properties
—Surfacing

Hardness 1407
BT —Mechanical properties
—Physical properties
RT Abrasion resistance
Brittleness
—Consistency
Ductility
Fatigue (materials)
—Hardening
Hardness tests
Impact tests
—Magnetic properties
Penetration resistance
Ripping
Rock properties
—Tensile properties
Toughness
—Wear resistance
Workability

Hardness (water) 0704
BT —Chemical properties
RT Calcium
—Calcium carbonate
—Calcium compounds
—Carbonates
Detergents
Impaired water quality
—Salts
Scaling
Soaps
Water properties
—Water quality
Water softening

Hardness tests 1402
BT —Materials tests
—Metal tests
—Tests
RT Abrasion resistance
Acceptance tests
—Compression tests
Hardness
Impact tests
Static tests
Tension tests
—Wear resistance

Hardpan 0807
BT —Soils
—Soil types
RT Caliche
—Clays
Cohesive soils
Impervious soils

Hard surfacing 1308
BT —Surfacing
RT Anodizing
—Coatings
—Hardening
—Heat treatment
Plating
—Protective coatings
Runways
—Surfaces
—Welding

Hardware (computer)
USE Computer systems hardware

Hardwood 0206 1112
BT —Building materials
—Materials
—Wood
RT Coniferous forests
—Coniferous trees
Deciduous forests
—Deciduous trees
—Forests
Lumber
—Trees

Harmonic analysis
USE Fourier analysis

Harmonics 2014
RT —Acoustics
—Frequency
Hydrodynamic pressure
Low frequency
Natural frequency
Nodes
Phase control
Resonance
Standing waves
—Vibration
Wavelength
—Waves

Harvesting 0204
NT Water harvesting
RT Crop production
—Crops
Farm equipment
Farm management
Fish harvest
Harvesting of algae
Standing crop

Harvesting of algae 0613
RT —Aquatic algae
Biomass
—Harvesting
—Productivity

Hatching 0603.2
RT Bird eggs
Broods
Clutch (biology)
—Eggs
Incubation
Nesting
Nests

Hauling 1306
RT —Construction equipment
Conveyances
—Conveyors
—Earth handling equipment
Earthmoving
Materials handling
Overhaul
Trafficability

Hawaii 0806
BT —Geographical regions
—Islands
—States (geographical)

Hay 0204
BT —Agronomic crops
—Crops
—Feeds
—Field crops
—Plants (botany)
RT Alfalfa
—Bluegrasses
Bromegrass
—Clovers
—Forages
—Grasses
Kentucky bluegrass
—Legumes
Orchardgrass
Red clover
Straw
Switchgrass

Hazards 1312
NT Radiation hazards
RT —Accidents
—Damages
Drowning
—Explosions
—Explosives
Fires
Forest fires
Liabilities
—Losses
Pesticide residues
—Poisons
Radiation effects
Radioactive contamination
Radioactive wastes
—Safety
Toxic waste disposal
—Warning systems

Haze 0402
RT Air pollution effects
Ceilings (meteorology)
Cirrus clouds
—Clouds
Cumulus clouds
—Dust
—Fog
Mist
Smog
Stratus clouds
Turbidity
Visibility

Hazen-Williams equation 2004
BT —Equations
RT Discharge measurement
—Flow
Hydraulic gradient
Hydraulic radius
Mannings equation
—Pipes
Roughness coefficient

Head (fluid mechanics) 2004
NT High head
Low head
Power head
Pressure head
Velocity head
RT Elevation
—Fluid flow
Head losses
Hydraulic gradient
—Hydraulics
Hydrostatic pressure
Hydrostatics

Head gates
USE Turnout gates

Head losses 2004
BT —Losses
RT Bellmouths
—Coefficients
Darcys law
Darcy-Weisbach equation
—Energy dissipation
Energy gradient
Energy losses
—Entrances (fluid flow)
—Flow
—Fluid flow
Fluid friction
—Friction
Friction coefficient (hydraulic)
—Gradients
Groundwater movement
—Head (fluid mechanics)
Hydraulic design
Hydraulic gradient
Hydraulic radius
—Hydraulics
—Hydrodynamics
Hydrostatics
Kutter formula
—Leakage
Manifolds
—Piezometers
Pipe bends
Pipe fittings
Plug valves
—Pressure
Pressure head
Propeller meters
Relative roughness
Roughness (hydraulic)
Roughness coefficient
Seepage losses
Tee losses
Unlined tunnels
Water tunnels (testing)
Wye branches

Headwalls 1313.1
BT —Walls
RT Aprons
—Canals
Culverts
—Flow control
—Flumes
Guide walls
Headworks
—Intakes
—Intake structures
—Outlets
—Outlet works
Training walls
Wave suppressors

Headwater catfish
USE Catfishes

Headwaters 0808
RT Drainage basins
—Rivers
—Streams
Upstream
—Watersheds (basins)

Headworks 1313.1
BT —Engineering structures
—Hydraulic structures
RT Aprons
—Canals
Diversion dams
Diversion works
—Entrances (fluid flow)
Fish screens
—Flow
—Flow control
—Gates
Headwalls
Hydraulic engineering
—Hydraulic gates
—Intakes
—Intake structures
—Outlets
—Outlet works
Overflow
Training walls
—Water

Health 0616
NT Public health
RT Insurance costs
Medicine
Radiation hazards
—Safety
Sanitation

Heat 2013
BT —Energy
NT Latent heat
Waste heat
RT Adiabatic
Air temperature
Calorimeters
Convection
Energy balance
Enthalpy
Entropy
Heat balance
Heat budget
Heaters
Heat flow
—Heating
Heating plants
Heat of hydration
Heat pumps
Heat resistance (biological)
Heat resistance (materials)
Heat transfer
Heat transfer coefficient
Heat transmission
—Heat treatment
High temperature
Induction heating
Infrared radiation
Preheating
Steam tables
—Temperature
Thermal energy
Thermal pollution
Thermal power
—Thermal properties
Thermal radiation
—Thermodynamics
Thermoelectricity

Heat balance 2013
UF Heat loss
RT Boilers
Climatic changes
—Cooling
Energy balance
—Evaporation
—Heat
Heat budget
Heat flow
—Heating
Heat transfer
—Losses
Seasonal
—Temperature

Heat balance (Con.)
Thermoperiodism

Heat budget 2013
UF Thermal budget
BT –Budgets
–Energy budget
RT Aestivation
–Cycles
Energy balance
–Environments
–Heat
Heat balance
Heat flow
Heat transfer
Heat transmission
Physiological ecology
Seasonal
–Temperature
Thermal capacity
Thermal stratification

Heat conduction
USE Thermal conductivity

Heat conductivity
USE Thermal conductivity

Heat convection
USE Thermal conductivity

Heated water 0704
BT –Water types
RT Boiler feed water
Boilers
Cooling towers
Steam
–Temperature
Thermal pollution
Thermal power
Thermal water
Waste water (pollution)
Water pollution sources
Water temperature

Heaters 1301
UF Heating elements
RT Air conditioning
Boilers
Fuels
–Furnaces
–Heat
Heating plants
Heat transfer
–Insulation
Ovens

Heat exchange
USE Heat transfer

Heat exchangers 1301
UF Heat exchanging
RT Boilers
Condensers (liquefiers)
Cooling systems
Desalination apparatus
–Distillation
Fins
–Heating
Heating plants
Heat transfer
Heat transmission
Piping systems (mechanical)
Preheating
–Temperature
Water cooling

Heat exchanging
USE Heat exchangers

Heat expansion
USE Thermal expansion

Heat flow 2013
RT Density currents
Energy balance
Forced drying
–Geothermal studies
–Heat
Heat balance
Heat budget
Heat transfer
Radiators
–Temperature
Thermal conductivity
–Thermal properties

Heating 1301
BT –Transport phenomena
NT Induction heating
RT Ablation
Accelerating (chemistry)
Air circulation
Annealing
Boiling
Calefaction
Coils
Conduction
Convection
–Cooling
Deicers
Deicing
Ducts
–Environmental engineering
–Evaporation
Frost protection
–Furnaces
–Heat
Heat balance
Heat exchangers
Heating plants
Heat transfer
Heat transfer coefficient
–Heat treatment
Ice prevention
Melting
–Metalwork
Precooling
Preheating
–Radiation
Radiators
Snow removal
Soaking
Temperature control
Thawing
–Thermal analysis
–Thermal properties
Thermal stress
–Vaporization
Vortex tubes

Heating elements
USE Heaters

Heating plants 1301
RT Air conditioning
Boilers
–Furnaces
–Heat
Heaters
Heat exchangers
–Heating
Heat pumps
Ovens
Piping systems (mechanical)
Radiators
Temperature control
Thermal insulation

Heat loss
USE Heat balance

Heat of hydration 0704 2013
UF Hydration (heat)
BT –Chemical properties
–Energy
–Physical properties
–Thermal properties
RT –Chemical reactions
Concrete properties
–Heat
Hydration
Low heat cements
–Soil moisture
–Thermodynamics

Heat pollution
USE Thermal pollution

Heat properties
USE Thermal properties

Heat pumps 1301
RT Air conditioning
Cooling systems
–Heat
Heating plants
Heat transfer
–Temperature
Thermal energy

Heat radiation
USE Thermal radiation

Heat resistance (biological) 0619
BT –Biological properties
RT Aestivation
Drought resistance
–Environmental effects
–Heat
–Hot winds
Physiological ecology
Solar radiation
Sweat
–Temperature
–Tolerances (plant)
Wilting

Heat resistance (materials) 2013
BT –Physical properties
–Thermal properties
RT –Freezing
–Heat
–Heat resistant alloys
Heat transfer
High temperature
–Refractory metals
–Temperature
Thermal conductivity
Thermal decomposition
Thermal insulation
Thermal stress
–Thermodynamics

Heat resistant alloys 1106
NT Molybdenum alloys
Niobium alloys
Titanium alloys
Tungsten alloys
RT Chromium alloys
Cobalt alloys
Heat resistance (materials)
Nickel alloys
–Refractory metals

Heat transfer 2013
UF Heat exchange
BT –Energy transfer
–Physical properties
–Thermodynamics
–Transfer
–Transport phenomena
RT Adiabatic
Advection
Conduction
Convection
–Cooling
Energy balance
Fins
–Freezing
Frost action
–Heat
Heat balance
Heat budget
Heaters
Heat exchangers
Heat flow
–Heating
Heat pumps
Heat resistance (materials)
Heat transfer coefficient
Heat transmission
High temperature
Potential evaporation
Precooling
Preheating
Refrigeration
–Temperature
Thermal conductivity
Thermal diffusion
Thermal expansion
Thermal gradient
Thermal insulation
–Thermal properties
Thermal radiation
Thermodynamic behavior
Waste heat

Heat transfer coefficient 2013
BT –Coefficients
RT –Heat
–Heating
Heat transfer
Heat transmission
–Thermal properties

Heat transmission 2013
RT Conduction
Convection
–Fluid flow
–Heat
Heat budget
Heat exchangers
Heat transfer
Heat transfer coefficient
Potential flow
Steady flow
Thermal diffusion
Thermal insulation
–Thermal properties
Uniform flow
–Unsteady flow

Heat treatment 1308
BT –Treatment
NT Annealing
Stress relieving
RT –Finishing
–Furnaces
–Hardening
Hard surfacing
–Heat
–Heating
Metallurgy
Metals treatment
Microstructure
Nucleation
–Nuclei
Preheating

Heaving 1407
NT Frost heaving
RT Bending
Buckling
–Climatology
–Deformation
Displacements
Distortion (structural)
–Environmental effects
–Expansion
–Expansive clays
–Expansive forces
–Expansive soils
Faults (geology)
–Freezing
Frost action
–Frozen soils
Microenvironment
Soil mechanics
–Soil moisture
–Soil physical properties
Swelling
Swelling pressure
Tunnel failure
Tunneling
–Volume change

Heavy media separation 1308
BT –Beneficiation
–Separation
–Separation techniques
RT –Aggregates
–Concrete technology
–Processing

Heavy metals 1106
BT –Chemical elements
–Metals
NT Lead (element)
RT Chemical wastes
Lead alloys
Lead radioisotopes
Water pollution sources

Heavy water 1802
BT –Water
–Water types
RT Deuterium

Height 1407
BT –Dimensions
RT Altitude
Depth
Distance
Elevation
Hydraulic pressure
Hypsometric analysis
Length
–Plant growth
Pressure head
Specific head
Stream gages
Thickness
Thinness
Vertical migration
–Water table
Wind profiles

Helicopters 0103
BT –Aircraft
RT Aeronautics
–Construction
–Maintenance
–Transmission lines
–Transportation

Helium 0702
BT –Chemical elements
–Gases
–Inert gases
–Nonmetals

Helixes 1409
BT –Curves
–Geometric shapes
RT –Circles (geometry)
Geometry
Spirals

Hemlock trees 0603.1
UF Tsuga species
BT –Coniferous trees
–Conifers
–Gymnosperms
–Plants (botany)
–Trees
RT Coniferous forests

Heptachlor 0606
BT –Chemicals
–Chlorinated hydrocarbon pesticides
–Halogenated pesticides
–Insecticides
–Organic compounds
–Organic pesticides
–Pesticides

Herbicides 0606
UF Silvicides
Weedicides
BT –Chemicals
–Pesticides
–Poisons
NT Aminotriazole
2,4-D
Dalapon
2,6-Dichlobenil
Diquat
Monuron
Paraquat
Post-emergents
Pre-emergents
2,4,5-T
RT Antibiotics (pesticides)
Aquatic weed control
Brush control
Defoliants
Plant growth regulators
–Plants (botany)
–Tolerances (plant)
–Urea pesticides
–Weed control

Herbivores 0603.2
BT –Animals
NT Forage fish
RT Food chains
Niches
Trophic level
Vegetation

Herrings 0603.2
UF Clupeidae
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Wildlife
NT Atlantic menhaden
Cisco
RT –Freshwater fish
–Marine fish

Heterogeneity 1407
RT Homogeneity
Impurities
–Mixtures
Variability

Hexadecanol 0703
BT –Alcohols
–Chemical compounds
–Fatty alcohols
–Organic compounds
RT Evaporation control
Evaporation retardants
Monomolecular films
Octadecanol

Hickory trees 0603.1
BT –Crops
–Deciduous trees
–Dicots
–Fruit crops
–Horticultural crops
–Plants (botany)
–Stone fruits
–Trees

High-bond reinforcing bars 1303
BT –Construction materials
–Reinforcing materials
–Reinforcing steels
RT Bonding
Bonding strength
Bond tests
Deformed bars
–Reinforced concrete
–Reinforcement
–Steel
Structural steel

High explosives 1901
RT –Construction
–Drilling
–Excavation
–Explosions
Powders
Quarrying
Rock excavation
–Seismic prospecting
Seismic studies
–Tunnel construction

High frequency 2014
BT –Frequency
RT Radios
–Radio signals
–Radio waves

High head 1407
BT –Head (fluid mechanics)
RT –Fluid flow
Francis turbines
High pressure
High pressure gates
High pressure valves
Hydraulic gradient
–Hydraulic machinery
–Hydraulic turbines
Impulse turbines
Penstocks
Plunge basins
–Pumps
–Pump turbines
–Reaction turbines
–Reversible turbines
Water hammer

High pressure 1407
BT –Pressure
RT High head
High pressure gates
High pressure valves
Hydraulic pressure
Low pressure
Reciprocating pumps

High pressure areas
USE Anticyclones

High pressure gates 1313.7
BT –Gates
–Hydraulic equipment
–Hydraulic gates
RT Fixed wheel gates
–Fluid mechanics
High head
High pressure
–Hoisting machinery
Hydraulic pressure
–Hydraulics
Hydroelectric powerplants
–Outlet works

High pressure valves 1311
BT –Hydraulic equipment
–Valves
RT High head
High pressure
Hollow jet valves
Hydraulic pressure
–Hydraulic valves
Hydroelectric powerplants
Needle valves
–Outlet works
Plug valves
Relief valves

High speed cameras
USE High speed photography

High speed photography 1405
UF Cameras (high speed)
High speed cameras
Schlieren effect
BT –Photography
RT Aerial photography
–Cameras
–Films
Photographic analysis
–Photographic equipment
–Photographs

High strength concretes 1303.1
BT –Building materials
–Concretes
–Construction materials
RT –Concrete technology
Posttensioning
Prestressed concrete
–Reinforced concrete
Structural concrete
–Structural design
Thin shell structures

High strength steels 1106
BT –Alloys
–Chemical elements
–Iron alloys
–Materials
–Metals
–Steel
RT Carbon alloys
Carbon steels
–Concrete structures
–Construction materials
Low alloy steels
Low carbon steel
–Mechanical properties
Prestressed steel
–Reinforcing steels
Steel pipes
Steel structures
–Strength
–Structural design
Structural steel
Yield point
Yield strength

High temperature 1407
BT –Temperature
RT –Heat
Heat resistance (materials)
Heat transfer
High temperature research
–Hot springs
–Hot winds
Low temperature
Plasma physics
Temperate
Temperature rise
Thermal energy
–Thermal properties
Thermal radiation
Thermometers
Tropical regions

High temperature research 1406
UF High temperature tests
BT –Environmental tests
–Materials tests
–Research and development
RT Creep tests
Fatigue tests
High temperature
Linear expansion
–Metal tests
Plasma physics
–Shear tests
Temperate
–Temperature
Tension tests
Thermal conductivity
Thermal expansion
–Thermal properties
Thermal radiation
Thermal stress
Thermodynamic behavior

High temperature tests
USE High temperature research

High velocity 1407
BT –Velocity
RT Canal design
–Channel flow
–Critical flow
Design flow
Jets
–River flow
–Streamflow
Supercritical flow
Turbulent flow

High voltage 2003
BT –Electric potential
RT Impulse tests (electrical)
–Transmission (electrical)
–Transmission lines

High water mark 0504.1
RT Banks
Boundaries (property)
Ownership of beds
–Seashores
–Streamflow
Tidal waters
–Watercourses (legal)
Water level fluctuations

Highway beautification 1302.4
BT –Beautification
RT Aesthetics
Creativity
Highway bridges
Highway engineering
–Highways
Landscaping
Planting management
–Public land
Scenic highways
Seeding
–Shrubs
–Vegetation establishment

Highway bridges 1313.5
BT –Bridges (structures)
–Engineering structures
RT Abutments
Arch bridges
Arch trusses
Bailey bridges
Bascule bridges
Bridge construction
Bridge decks
Bridge design
Bridge piers
Highway beautification
Highway engineering
–Highways
Railroad bridges
–Roads
Suspension bridges
Truss bridges
Wooden bridges

Highway effects 1302.4
BT –Effects
–Environmental effects
RT Ecological distribution
–Ecology
–Habitats
–Highways
–Wildlife

Highway engineering 1302.4
BT –Civil engineering
–Engineering
RT Access roads
Access routes
Alinement
Base courses
Bridge decks
–Bridges (structures)
Crossings
Culverts
–Drainage
Flexible pavements
Highway beautification
Highway bridges
Highway relocation
–Highways
–Pavements
Paving
Right-of-way
Roadbanks
Road construction
Road design
–Roads
–Surveying
Trigonometry
Vehicular tunnels

Highway icing 1302.4
RT –Freezing
–Highways
–Ice
Ice formation
–Seepage

Highway icing (Con.)
Sleet

Highway relocation 1302.4
BT –Relocation
RT Access routes
Highway engineering
–Highways
Paving
Right-of-way
Road construction

Highways 1302.4
UF Expressways
BT –Roads
NT Scenic highways
RT Access roads
Access routes
Base courses
Berms
Bridge decks
City planning
Concrete pavements
Crossings
–Curves
–Embankments
Flexible pavements
Highway beautification
Highway bridges
Highway effects
Highway engineering
Highway icing
Highway relocation
Horizontal curves
Landscaping
Lighting
–Pavements
Paving
Railroads
Roadbanks
Road construction
Road design
Streets
Subbase
Subgrade
–Transportation
–Vegetation establishment
Vehicular tunnels

Hilsch tubes
USE Vortex tubes

Hinged structures 1313.5
BT –Structures
RT Flexibility
Flexible couplings
Hinges
Lock gates
Miter gates
Pin connected joints
–Pins (mechanical)

Hinges 1305
RT Connectors (mechanical)
–Fasteners
Hinged structures
–Joints (connections)
Pin connected joints

Histograms 1201
BT –Analysis
–Statistical analysis
RT –Mathematical analysis

Historic flood 0808
BT –Floods
RT Flood damage

History 0504
BT –Social sciences
RT Archaeology
Biographies
–Census
–Dating
–Geologic time
Life history studies
Paleoclimatology
Paleohydrology
Paleolimnology
Paleontology
Paleosols
Paleozoic era
Palynology
Phylogeny
–Planning
Political science
–Records
Reviews
–Sociology
–Time

Hodographs 1201
RT Graphical analysis

Hogs 0603.2
UF Swine
BT –Animals
–Domestic animals
–Livestock
–Mammals

Hoisting machinery 1309
UF Derricks
Gantry cranes
Lifting machinery
BT –Materials handling equipment
NT Gate hoists
RT Bulkhead gates
Coaster gates
–Construction equipment
–Cranes (hoists)
Elevators
Fixed wheel gates
Floodgates
Gate control
Handling equipment
High pressure gates
–Hydraulic gates
Intake gates
Mechanical equipment
–Mines
Overhead cranes
Radial gates
Roller gates
Slide gates
Sluice gates
Spillway gates
Traveling cranes

Holidays (coatings) 1103
RT –Coatings
Defects
–Protective coatings
Voids

Hollow jet valves 1311
BT –Hydraulic equipment
–Hydraulic valves
–Valves
RT Butterfly valves
Gate valves
Globe valves
High pressure valves
Needle valves
Plug valves
Sleeve valves

Homogeneity 1407
RT Heterogeneity
Standard deviation
Variability
Variation coefficients

Honeycombs
USE Cellular structures

Hook gages 1402
BT –Gages
–Hydrologic instruments
–Instrumentation
RT –Evapotranspiration
Evapotranspirometers
–Water levels
Water surface

Hooks 1305
RT Connectors (mechanical)
–Fasteners
–Mechanical fasteners
–Pins (mechanical)

Hoop stress
USE Circumferential stress

Hoop tension 2011
BT –Tension
RT –Pipes
Pressure conduits
Pressure pipes
Pressure tunnels
Pressure vessels
–Rings
–Tanks (containers)
Tensile stress

Hoppers 1304
BT –Containers
RT Bins
Buckets

Hordeum vulgare
USE Barley

Horizontal curves 1302.4
BT –Curves
–Geometric shapes
RT –Circles (geometry)
Geometry
–Highways
–Plane surveying
Road design
–Roads
Spirals

Horizontal drains 0808.1
BT –Drains
RT –Canals
Concrete pipes
Culverts
–Drainage
Drainage systems
Drain spacing
Leaching
Sand drains
Storm drains
–Subsurface drains
Tile drains
Underdrains
Vertical drains

Horizontal joints 1305
BT –Joints (connections)
RT –Construction joints
Dowels
Joint fillers
Joints (geology)
Keyways
Lifts (construction)
–Masonry
Water stops

Horizontal loads 2011
BT –Loads (forces)
RT Active pressure
At rest pressure
–Earth pressure
Earthquake loads
Hydrostatic pressure
Ice loads
Ice pressure
–Lateral forces
Load distribution
Passive pressure
Pile lateral loads
–Retaining walls
Sheeting
Surcharge
Tie rods
Total loads
–Walls
–Water pressure
Wind bracing
Wind pressure

Horticultural crops 0204
BT –Crops
–Plants (botany)
NT Alfalfa
Alligatorweed
Alsike clover
Apples
Ash trees
Asparagus
Beans
Birch trees
Black locust trees
Blueberries
–Brush
Cacti
Carrots
Chaparral
–Citrus fruits
–Clovers
Cotton
Cottonwoods
Cranberries
Crimson clover
Dates
–Deciduous trees
–Fiber crops
–Forage legumes
–Fruit crops
Grapefruit
Halogeton
Hickory trees
Ladino clover
–Legumes
Lemons
Lespedeza
Lettuce
Lilac
Limes
Macadamia
Maple trees
Melons
Mesquite
–Nuts
Oak trees
–Oilseed crops
Onions
Oranges
Orchards
–Ornamentals
Peaches
Peanuts
Pecans
–Pome fruits
Popcorn
Potatoes
Rabbitbush
Red clover
Sagebrush
Sago pondweed
Seepwillow
–Shrubs
Snapdragons
Soybeans
–Specialty crops
Stinging nettles
–Stone fruits
Strawberries
Sugar beets
Sweet corn
Sweet potatoes
Sycamore trees
Tamarisk
Tobacco
Tomatoes
Tropical fruits
–Vegetable crops
Vetch
–Vine crops
Water hyacinth
White clover
Willow trees
RT –Agronomic crops
Crop response
–Field crops
Frost protection
Horticulture
Industrial crops
Plant groupings

Horticulture 0204
RT Agriculture
Agronomy
–Horticultural crops
Plant breeding
–Plant pathology
–Plants (botany)
–Turf grasses
–Weed control

Hose couplings
USE Hose fittings

Hose fittings 1305
UF Couplings (hose)
Hose couplings
BT –Fittings
RT Connectors (mechanical)
–Couplings
Flexible couplings
Flexible pipes
Flexible tubing
Hoses
Pipe fittings
Piping systems (mechanical)
Plastic tubing
Rubber tubing

Hoses 1311
RT Flexible pipes
Flexible tubing
Hose fittings
Nozzles
–Pipes
Piping systems (mechanical)
Rubber tubing
Siphons
–Tubes

Hospitals 0612
RT –Buildings
–Facilities
Medicine

USE = Use preferred term; UF = Used for; BT = Broader term; NT = Narrower term; RT = Related term.

Hosts 0603.2
NT Intermediate hosts
RT —Animal parasites
—Diseases
—Parasites
—Pathology

Hot film anemometers 1402
BT —Anemometers
—Instrumentation
—Measuring instruments
—Meteorological instruments
RT Air currents
Flow measurement
—Fluid flow
Hot wire anemometers
—Velocity meters
Wind speed
Wind velocity

Hot springs 0807
BT —Running waters
—Springs (water)
—Thermal springs
NT Geysers
RT Geothermal powerplants
—Geothermal studies
—Groundwater
High temperature
—Hydrogeology
Juvenile water
Lake bottom springs
Mineral water
Steam
Thermal water
Travertine
Warm springs

Hot winds 0402
NT Chinook
RT Air temperature
Dew point
Heat resistance (biological)
High temperature
Land breezes
—Moisture content

Hot wire anemometers 1402
BT —Anemometers
—Instrumentation
—Measuring instruments
—Meteorological instruments
RT Air currents
Flow measurement
—Fluid flow
Hot film anemometers
—Velocity meters
Wind speed
Wind velocity

Houses
USE Residences

Housings 1309
RT —Bearings
—Casings
—Frames
Protective coverings
—Shafts (machinery)
—Shielding

Human behavior 0510
UF Behavior (human)
Human reaction
BT —Behavior
RT —Animal behavior
Applied psychology
Attitudes
Characteristics
Fatigue (physiology)
Human engineering
Human resources
Learning
Man
Motivation
—Psychology
Public opinion
Responsibilities
—Social aspects
Social behavior

Human diseases 0605
BT —Diseases
NT Botulism
RT —Enteric bacteria
—Environmental engineering
Environmental sanitation
Epidemics
Epidemiology
Human pathology
—Pathology
Public health
Stream pollution
—Water pollution
Zoonoses

Human engineering 0510
RT Abilities
Aesthetics
Careers
—Education
—Efficiencies
—Environmental engineering
—Environments
Fatigue (physiology)
Human behavior
Job analysis
Learning
Life expectancy
Lighting
Organizing
Performance
Personnel management
Professional advancement
Psychological aspects
—Psychology
Systems engineering
Time and motion studies
Working conditions

Human pathology 0605
BT —Pathology
RT Animal pathology
—Diseases
Epidemiology
—Human diseases
Public health
Zoonoses

Human population 0511
BT —Population
RT Man
—Sociology
Urbanization

Human reaction
USE Human behavior

Human resources 0511
BT —Resources
RT Abilities
—Economics
—Efficiencies
Human behavior
Labor supply
Man
Manpower
—Social aspects

Humates
USE Humic acids

Humic acids 0703 0804
UF Humates
BT —Acids
—Chemicals
RT —Decomposing organic matter
Humus
Organic clays
—Organic matter
Organic silts
—Organic soils
Peat
Peat bog
Turf

Humid areas 0806
BT —Regions
RT —Geochemistry
Humid climates
Humidity
Laterites
—Rainfall
Rain forests
Subhumid areas
Subhumid climates
Tropic
Weathering
Wet climates

Humid climates 0402
BT —Climate
RT —Forests
Gray-brown podzolic soils
Humid areas
Humidity
—Pedalfers
—Podzols
Prairie soils
Rain forests
Red podzolic soils
Subhumid climates
Subtropic
Supplemental irrigation
Temperate
Tropic
Wet climates
Yellow podzolic soils

Humidification
USE Solar distillation

Humidity 1407
BT —Moisture
—Moisture content
RT Air conditioning
Air environment
—Climatology
Dew point
Humid areas
Humid climates
—Hydrometeorological station
—Hygrometry
Hygroscopic water
Liquid water content
—Meteorology
Microenvironment
Mist
—Precipitation (atmospheric)
Psychrometrics
—Soil moisture
Vapor pressure
—Water
—Water content
—Water vapor
Weather

Humus 0807
BT —Decomposing organic matter
—Organic matter
RT —Bogs
—Degradation (decomposition)
Forest soils
Humic acids
Leaves
—Loams
Organic clays
Organic silts
—Organic soils
Peat
Peat bog
Soil components
Soil formation
—Soil types
Topsoil
Tripton
Wood wastes

Hunting 0511
RT —Big game
Fish and wildlife
Game birds
—Recreation
—Small game
—Waterfowl
—Water sports
—Water utilization
—Wildlife

Hurricanes 0402
BT —Storms
—Tropical cyclones
RT Atmospheric pressure
—Clouds
Cloud seeding
Cumulonimbus clouds
Cyclones
Disasters
Gusts
Rain
—Surges
Typhoons
—Warning systems
—Wind (meteorology)
Wind velocity

Hyacinth (water)
USE Water hyacinth

Hybrid beams 1313.5
BT —Beams (structural)
—Structural members
RT Composite beams
—Girders
—Laminated wood
—Laminates
Plate girders

Hybrid computers 0902
UF Analog-digital computers
BT —Computers
—Electronic equipment
RT Analog computers
—Analogs
Analog to digital converters
Automation
Computation
Digital computers
Digital systems
Digital to analog converters
Integration (mathematics)
Nonlinear systems
Simulation

Hydrants 1302.1
RT —Discharge (water)
—Hydraulic valves
—Pipes
—Waterworks

Hydrate processes 1308
UF Gas hydration
RT —Chemical reactions
Clathrates
Desalination processes
Hydrates
—Separation techniques

Hydrates 0702
BT —Chemical compounds
RT Clathrates
Hydrate processes
Hydration
Water of crystallization
Water of hydration

Hydration 0704
RT —Chemical reactions
Concrete properties
—Curing
Dehydration
Heat of hydration
Hydrates
Hydrolysis
Slaking
Water of hydration

Hydration (heat)
USE Heat of hydration

Hydraulic conductivity 2004
UF Conduction (hydraulic)
Conductivity (hydraulic)
BT —Conductivity
—Hydrologic properties
—Physical properties
RT Darcys law
Drain spacing
—Groundwater
Groundwater flow
Groundwater movement
—Hydrogeology
Infiltration
Percolation
Permeability
—Phreatic water
Pores
Porous media
Saturated flow
Soil moisture movement
Tile spacing

Hydraulic conduits 1313.1
BT —Conduits
RT Air admission
Air chambers
—Bends (hydraulic)
—Closed conduits
—Flumes
Penstocks
—Pipelines
Siphons
Submarine pipelines

Hydraulic design 2004
BT —Design
RT Deriaz pump turbine
Design flow
—Flow
Flow resistance
—Fluid mechanics
Head losses
Hydraulic engineering
Hydraulic jump
Hydraulic laboratories
Hydraulic radius
—Hydraulics

Hydraulic design (Con.)
Ogee crests
Roughness (hydraulic)
Spillway crests
Velocity head

Hydraulic downpull 2004
UF Downpull (hydraulic)
RT –Hydraulic gates
–Hydraulic models
Hydraulic properties
–Hydraulic structures
–Hydraulic valves

Hydraulic engineering 1302
UF Engineers (hydraulic)
Hydraulic engineers
BT –Civil engineering
–Engineering
RT Canal design
–Canals
Dam design
–Dams
Diversion works
Flood control
Headworks
Hydraulic design
Hydraulic laboratories
–Hydraulic models
–Hydraulics
–Hydraulic structures
Jacks (structural shape)
Mechanical engineering
–Reservoirs
–River regulation
Sediment control
Side channel spillways
Ski-jump spillways
Spillway piers
Spillway profiles
Stilling basins
–Water
Water collection systems

Hydraulic engineers
USE Hydraulic engineering

Hydraulic equipment 1307
BT –Equipment
NT Bulkhead gates
Butterfly valves
Coaster gates
Gate control
High pressure gates
High pressure valves
Hollow jet valves
–Hydraulic gates
–Hydraulic machinery
–Hydraulic turbines
–Hydraulic valves
Intake gates
–Pumps
–Pump turbines
Radial gates
Roller gates
Slide gates
Water wheels
RT Hydraulic laboratories
Hydraulic pressure
–Hydraulics
–Hydraulic structures
Hydraulic systems

Hydraulic excavation 1315
BT –Excavation
RT Dredges
Dredging
Earthmoving
–Earthworks
–Erosion
Hydraulic fill dams
Hydraulic fills
Hydraulic mining
Hydraulic mining water
Jetting
Nozzles
–Underwater excavation
–Water pressure

Hydraulic fill dams 1313.1
BT –Dams
–Earth dams
–Earthworks
RT –Construction
Dam design
Dredging
–Earthfill
–Embankments
–Fills
Forebay dams
Hydraulic excavation
Hydraulic fills
Puddling
Soil mechanics
Zoned embankments

Hydraulic fills 0813 1315
UF Sluice fills
BT –Earthfill
–Fills
RT –Dams
Dredging
–Earth dams
Earthmoving
–Earthworks
–Embankments
Hydraulic excavation
Hydraulic fill dams
Puddling
–Underwater excavation
Zoned embankments

Hydraulic flow nets
USE Flow nets

Hydraulic gates 1313.7
BT –Gates
–Hydraulic equipment
NT Bulkhead gates
Coaster gates
Drum gates
Emergency gates
Fixed wheel gates
Floodgates
High pressure gates
Intake gates
Miter gates
Radial gates
Roller gates
Roller-mounted gates
Sector gates
Slide gates
Sluice gates
Spillway gates
Stoney gates
Turnout gates
Wicket gates
RT Air chambers
Back pressure
–Check structures
Float wells
–Flow control
–Fluid mechanics
Gate control
Headworks
–Hoisting machinery
Hydraulic downpull
–Hydraulics
Hydraulic systems
–Hydraulic valves
Hydroelectric power
Hydroelectric powerplants
Jet diffusion
Low head
Movable dams
–Outlet works
Rails
Slots
Spillway crests
–Spillways
Stop logs
–Valves
–Weirs

Hydraulic gradient 2004
BT –Gradients
RT Artesian water
Backwater profiles
Critical depth
Critical slopes
Critical velocity
Darcys law
Depth
–Drawdown
Flow nets
Hazen-Williams equation
–Head (fluid mechanics)
Head losses
High head
Hydraulic jump
Hydraulic radius
Hydrostatic pressure
Hydrostatics
Kutter formula
–Losses
Movable bed models
Open channel flow
–Open channels
Permeability coefficients
Phreatic lines
Pipe flow
Pressure head
Quicksand
–Seepage
–Slopes
Spillway profiles
–Springs (water)
Velocity head
–Water levels
–Water pressure
–Water surface profiles

Hydraulic jacks 1309
BT –Jacks (mechanical)
RT Jacking

Hydraulic jump 2004
UF Standing surge
RT Backwater profiles
Chute blocks
Continuity equation
–Critical flow
Depth
Drops (structures)
Energy dissipators
Flow around objects
Froude number
Hydraulic design
Hydraulic gradient
Hydraulic radius
–Losses
–Open channels
Specific head
Standing waves
Stilling basins
–Surges
Transition flow
Turbulent flow

Hydraulic laboratories 1402
BT –Facilities
–Laboratories
–Test facilities
RT –Fluid mechanics
–Fluids
Hydraulic design
Hydraulic engineering
–Hydraulic equipment
–Hydraulic models
–Hydraulics
Movable bed models

Hydraulic machinery 1307.1
BT –Hydraulic equipment
–Machines
NT Axial flow turbines
Bulb turbines
Centrifugal pumps
Deriaz pump turbine
Feed pumps
Francis turbines
–Hydraulic turbines
Impulse turbines
Jet pumps
Kaplan turbines
Mixed flow pumps
Pelton turbines
Propeller pumps
–Pumps
–Pump turbines
–Reaction turbines
Reciprocating pumps
–Reversible turbines
–Rotary pumps
Tube turbines
RT Air admission
Axial flow
Blades
Cavitation index
–Entrances (fluid flow)
Governors
High head
Low head
Mechanical engineering
Mechanical equipment
–Rotating machines
Spiral cases
Stay rings
Stay vanes
Turbine blades
Turbine runners

Hydraulic mine-filling 0809
RT Hydraulic mining
Hydraulic mining water
Hydraulic transportation
Landfills
Mineral industry

Hydraulic mining 0809
BT –Mining
RT Coal mines
Dredging
Drift mining
–Flooding
Gold
–Gravels
Hydraulic excavation
Hydraulic mine-filling
Hydraulic mining water
Hydraulic transportation
Jets
Mine drainage
–Mines
Panning
Placer mining
Sluices
Underground

Hydraulic mining water 0809
BT –Water types
RT Beneficial use
Hydraulic excavation
Hydraulic mine-filling
Hydraulic mining
–Mine water
–Prior appropriation
Reasonable use
–Riparian rights
Water allocation (policy)

Hydraulic models 1402
BT –Models
–Model studies
NT Fixed-bed models
Movable bed models
RT –Bends (hydraulic)
Cavitation index
Cavitation resistance
–Entrances (fluid flow)
Foreign tests
Hydraulic downpull
Hydraulic engineering
Hydraulic laboratories
–Hydraulics
Hydraulic similitude
Incompressible flow
Model tests
Reynolds number
Slots
Stilling wells
–Subatmospheric pressure
–Test equipment
–Test facilities
–Tests
Trifurcations
Wave tanks

Hydraulic pressure 2004
BT –Pressure
RT Grouting pressure
Height
High pressure
High pressure gates
High pressure valves
–Hydraulic equipment
Hydrodynamic pressure
–Hydrodynamics
Hydrostatic pressure
Hydrostatics
–Loads (forces)
Pressure head
–Pressure measuring instruments
Rapid drawdown
Relief wells
Specific head
–Water levels
–Water pressure

Hydraulic properties 2004
BT –Properties
RT –Flow
Hydraulic downpull
–Hydraulics
–Hydrologic properties
Lotic environment
Semicircular sections
Water properties
Water tunnels (testing)

Hydraulic radius 2004
RT Chezy equation
Depth
–Flow
Hazen-Williams equation
Head losses
Hydraulic design
Hydraulic gradient

Hydraulic radius (Con.)
Hydraulic jump
Kutter formula
Mannings equation
Open channel flow
Pipe flow
Semicircular sections

Hydraulic roughness
USE Roughness (hydraulic)

Hydraulics 2004
(limited to water)
UF Hydromechanics
BT –Engineering mechanics
–Fluid mechanics
–Mechanics
NT Fluvial hydraulics
Tidal hydraulics
Tunnel hydraulics
RT Air demand
Aquifer characteristics
Axial flow
Boundary conditions
Boundary processes
Boundary shear
–Canals
Cavitation
–Channel flow
Channel morphology
–Channels
–Civil engineering
–Closed conduits
–Conduits
Continuity equation
Critical depth
Critical slopes
Critical velocity
Culverts
Darcys law
–Diffusion
–Discharge (water)
Discharge coefficients
Discharge measurement
–Dynamics
Energy equation
–Engineering mechanics
–Floods
–Flow
Flow around objects
Flow characteristics
Flow nets
Flow profiles
Flow resistance
–Fluid dynamics
–Fluid flow
Fluid friction
–Fluids
–Friction
Friction coefficient (hydraulic)
Gate control
–Head (fluid mechanics)
Head losses
High pressure gates
Hydraulic design
Hydraulic engineering
–Hydraulic equipment
–Hydraulic gates
Hydraulic laboratories
–Hydraulic models
Hydraulic properties
Hydraulic similitude
–Hydraulic structures
Hydraulic transients
–Hydraulic turbines
–Hydraulic valves
Hydrodynamic pressure
–Hydrodynamics
–Hydrology
Hydrostatics
Incompressible flow
Momentum equation
–Open channels
–Orifices
Potential flow
Pressure conduits
Pressure head
Pressure pipes
–Pumping
Regime
–Reservoirs
Reynolds number
–River flow
Roughness (hydraulic)
–Routing
–Sedimentation
–Seepage
Soil mechanics
Specific head
Spillway crests
Steady flow
–Streamflow
Streamflow depletion
Test canals
–Tractive forces
Transient flow
–Tunnels
Turbulence
Vortices
–Water
–Water circulation
–Water measurement
–Water tunnels (conveyance)
Wave generation
–Weirs

Hydraulics (river)
USE Open channel flow

Hydraulic similitude 2004
BT –Similitude
RT Froude number
–Hydraulic models
–Hydraulics
–Model studies
Model tests
Movable bed models
Prototypes

Hydraulic structures 1313.1
Use of a more specific term is recommended
BT –Engineering structures
–Structures
NT Approach channels
Aqueducts
–Arch dams
Blowoff structures
Breakwaters
–Canals
Check dams
–Check structures
Chutes
Chute spillways
Closed conduit spillways
Cofferdams
Concrete pipes
–Conduits
Control structures
–Conveyance structures
–Dams
Diversion dams
Diversion structures
Diversion tunnels
Double-curvature arch dams
Drops (structures)
Entrance channels
Fishways
Flip buckets
–Flumes
Forebay dams
Headworks
–Intake structures
Intake towers
–Laterals
Levees
Locks (waterways)
Masonry dams
Metal pipes
Morning glory spillway
Multilevel outlets
–Navigation dams
–Noncircular conduits
Offshore platforms
Ogee crests
–Outlet works
Overfalls
Penstocks
–Pipelines
Plastic pipes
Plunge basins
Pressure tunnels
Pump intakes
Rectangular conduits
Retention dams
Sea walls
Self-spillway dams
–Settling basins
Shaft spillways
Side channel spillways
Siphons
Ski-jump spillways
Sloping intake structures
Sluices
–Spillways
Steel pipes
Stilling basins
Thin arch dams
Wasteways
Water pipes
–Water tunnels (conveyance)
RT Abutments
Air chambers
Air traps
Aprons
–Bends (hydraulic)
Bifurcations
Canal design
Cavitation
Coastal structures
Concrete-lined canals
–Concrete structures
Culverts
–Debris barriers
–Ditches
Draft tubes
–Entrances (fluid flow)
Equalizing reservoirs
Fish barriers
Flood control
Flow around objects
–Fluid mechanics
–Foundations
Freeboard
Friction coefficient (hydraulic)
–Gates
Hydraulic downpull
Hydraulic engineering
–Hydraulic equipment
–Hydraulics
Hydraulic systems
–Hydraulic turbines
Hydroelectric powerplants
Ice loads
Jetties
Metal pipes
Nozzles
Pontoons
–Powerplants
Public works
Pumping plants
Rehabilitation
–Reservoirs
Sluices
Small structures
Standpipes
Stilling wells
Storage tanks
Stream improvement
Stream stabilization
Surge tanks
Tailwater
Tidal powerplants
Trashracks
Trifurcations
Tunnel hydraulics
–Tunnels
–Valves
Water collection systems
Water control
Water conveyance
–Water storage
Water transportation
–Waterways
Wye branches

Hydraulic systems 1307
RT –Hydraulic equipment
–Hydraulic gates
–Hydraulic structures
–Pumps

Hydraulic transients 2004
RT Air chambers
Bores (wave)
–Hydraulics
–Surges
Surge tanks
Water hammer
–Waves (water)

Hydraulic transportation 2004
BT –Transportation
RT Hydraulic mine-filling
Hydraulic mining
Mine drainage
Mineral industry
Slurries

Hydraulic turbines 1307.1
UF Water turbines
BT –Hydraulic equipment
–Hydraulic machinery
–Rotating machines
–Turbines
NT Axial flow turbines
Bulb turbines
Deriaz pump turbine
Francis turbines
Impulse turbines
Kaplan turbines
Pelton turbines
–Pump turbines
Tube turbines
RT Blades
Critical speed
Draft tubes
–Electric generators
Governors
Guide vanes
High head
–Hydraulics
–Hydraulic structures
Hydroelectric power
Hydroelectric powerplants
Mechanical equipment
Penstocks
Potential hydropower
Power head
Prime movers
Propellers
Rotating components
Specific speed
Spiral cases
Stay rings
Stay vanes
Steam turbines
Tailrace
Turbine blades
Turbine efficiency
Turbine parts
Turbine runners
Turbine shafts
Turbine wheels
Turbogenerators
–Vanes
Water wheels
Wicket gates

Hydraulic uplift
USE Uplift pressure

Hydraulic valves 1311
BT –Hydraulic equipment
–Valves
NT Butterfly valves
Check valves
Flap valves
Gate valves
Globe valves
Hollow jet valves
Needle valves
Plug valves
Sleeve valves
RT Air chambers
Back pressure
–Flow control
High pressure valves
Hydrants
Hydraulic downpull
–Hydraulic gates
–Hydraulics
Hydroelectric power
Hydroelectric powerplants
Jet diffusion
Low head
–Outlet works
Relief valves
Seats
Sudden enlargements

Hydrocarbons 0703
BT –Chemical compounds
–Organic compounds
NT –Asphalts
Benzene
–Bitumens
–Bituminous cements
Bituminous concretes
–Bituminous materials
Chrome lignins
Coal tar
–Lignins
Mastics
Petroleum
Propane
RT Carbon
Hydrogen
Naptha

Hydrodynamic pressure 2004
BT –Dynamics
–Hydrodynamics
–Pressure
RT –Fluid dynamics
–Fluid flow
–Fluid mechanics

Hydrodynamic pressure (Con.)
Harmonics
Hydraulic pressure
—Hydraulics
—Pressure measuring instruments
Pressure regulators
—Surges
Water hammer

Hydrodynamics 2004
BT —Dynamics
—Fluid dynamics
—Fluid mechanics
NT Hydrodynamic pressure
RT —Engineering mechanics
—Flow
—Fluid flow
—Fluids
Head losses
Hydraulic pressure
—Hydraulics
Hydrostatic pressure
Incompressible flow
Ocean circulation
—Ocean currents
—Ocean waves
Pressure head
—Water
Water hammer

Hydroelectric power 1001
UF Water power
BT —Electric power
—Power
RT Afterbays
—Dams
—Electric generators
Firm energy
Forebay dams
Forebays
—Hydraulic gates
—Hydraulic turbines
—Hydraulic valves
Hydroelectric powerplants
Multiple purpose projects
Multiple purpose reservoirs
Peaking capacities
Peak loads (electric)
Peak power
Penstocks
Potential hydropower
Project benefits
Pumped storage
Reimbursable costs
Repayment contracts
—Reregulation
River basin development
Spinning reserve
Standby power
Surge tanks
—Water tunnels (conveyance)
Water wheels

Hydroelectric powerplants 1002.1
BT —Electric powerplants
—Industrial plants
—Powerplants
RT Afterbays
—Buildings
Cooling towers
—Dams
—Discharge (water)
Draft tubes
—Electric generators
—Electric power
Electric power industry
—Electric power production
—Facilities
—Generators
High pressure gates
High pressure valves
—Hydraulic gates
—Hydraulic structures
—Hydraulic turbines
—Hydraulic valves
Hydroelectric power
Hydroelectric project licensing
Intake gates
—Intake structures
Intake towers
Multiple purpose structures
Peaking capacities
Pondage
Power head
Powerhouses
Power operation & maintenance
Public works
Pumped storage
—Pump turbines
Steam
Tailrace
Tailwater
Thermal pollution
Turbine blades
Turbine runners
—Turbines
Underground powerplants
—Water levels
—Water utilization

Hydroelectric project licensing
0504
RT —Electric power
Hydroelectric powerplants
—Permits

Hydroelectric resources 0808.2
BT —Natural resources
—Resources
—Water resources
RT —Electric power
—Electric power production
—Hydrology
Peaking capacities
—Planning
Water resources development

Hydrofoils 1310
UF Hydroplanes
RT —Boats
Cavitation
Naval architecture
—Ships

Hydrogen 0702
BT —Chemical elements
—Gases
—Nonmetals
RT Deuterium
—Hydrocarbons
Reducing agents
Tritium

Hydrogenation 0703
BT —Chemical properties
—Chemical reactions
RT Waste water treatment
Water pollution treatment
—Water purification

Hydrogen bonding 0704
RT Water properties
Water structure

Hydrogen ion concentration
USE pH

Hydrogen isotopes
USE Deuterium

Hydrogen radioisotopes
USE Tritium

Hydrogen sulfide 0702
BT —Chemical compounds
—Inorganic compounds
—Sulfides
—Sulfur compounds
RT Reducing agents

Hydrogeology 0807
BT —Geology
NT Groundwater geology
Groundwater hydrology
RT Aquifer characteristics
—Aquifers
Deposition
Drainage density
Engineering geology
—Erosion
Geohydrologic units
Geologic control
—Geologic investigations
Geologic mapping
Geomorphology
—Geophysical prospecting
—Geophysics
—Groundwater
Groundwater basins
—Hot springs
Hydraulic conductivity
—Hydrologic aspects
—Hydrologic models
—Hydrology
Marine geology
Paleoclimatology
—Phreatic water
—Springs (water)
Stratigraphy
Stream drainage patterns
—Streams
Strip aquifers
Structural geology
—Subsurface waters
—Surface waters
Underground streams
—Vadose water
Warm springs
—Water wells

Hydrograph analysis 0808
BT —Analysis
—Analytical techniques
RT Estimating
Flood forecasting
—Hydrographs
Maximum probable flood
River forecasting
Simulated rainfall
Unit hydrographs

Hydrographic surveys 0808
BT —Surveys
RT Aerial surveys
Geodetic surveys
Geological surveys
—Geophysics
Hydrography
Photogrammetry
—Plane surveying
—Surveying
Topographic surveys

Hydrographs 0808
UF Characteristic hydrographs
NT Flood hydrographs
Unit hydrographs
RT Base flow
—Charts
Design flood
Design flow
Design storm
—Discharge (water)
Distribution patterns
—Drainage
Drainage basins
Flood routing
—Floods
—Flow
—Groundwater
Hydrograph analysis
Hydrophase diagrams
Infiltration
Observation wells
Peak floods
Probable maximum precipitation
—Rainfall
Rainfall-runoff relationships
—Rates
Recession curves
—River regulation
—Routing
—Runoff
Safe yield
—Storms
—Streamflow
Streamflow depletion
Streamflow forecasting
Stream gages
Surface runoff
Synthesis
Time lag
Time series analysis
—Water levels
Water properties
—Watersheds (basins)

Hydrographs (rainfall)
USE Rainfall

Hydrography 0808
BT —Hydrologic aspects
RT Bathymetry
—Geophysics
Hydrographic surveys
—Hydrology
Lake morphometry
—Limnology
—Measurement
Oceanography
—Routing
Sounding
—Surface waters
—Surveys
—Water

Hydrologic aspects 0808
NT Extraterrestrial hydrology
Hydrography
Paleolimnology
Parametric hydrology
Synthetic hydrology
RT Design flood
Groundwater geology
—Hydrogeology
Hydrologic cycle
Hydrologic data
—Hydrology
—Hydrometeorological station
International geophysical year
International hydrological decade
—Limnology
—Meteorology
Oceans
Paleohydrology
—Water resources

Hydrologic budget 0808
BT —Budgets
RT —Cycles
—Discharge (water)
Droughts
—Evaporation
—Floods
—Groundwater
Hydrologic cycle
Infiltration
Inflow
Outflows
—Plants (botany)
—Recharge
—Runoff
—Seepage
—Streamflow
Surface runoff
Water balance
Water budget
Water shortage
—Water storage

Hydrologic cycle 0808
BT —Cycles
RT —Atmosphere
—Circulation
Circulation (plants)
Cloud physics
—Currents (water)
—Energy budget
—Evaporation
—Evapotranspiration
Glaciers
—Groundwater
—Groundwater sources
—Hydrologic aspects
Hydrologic budget
—Hydrology
—Meteoric water
—Meteorology
Microenvironment
—Movement
Oceans
Precipitable water
—Precipitation (atmospheric)
—Rainfall
Regimen
—Running waters
—Runoff
—Saline water intrusion
Snowfall
—Soil water
Solar radiation
—Subsurface waters
—Surface waters
—Transfer
Transpiration
Water balance
—Water circulation
—Water loss
—Water resources
Water sources

Hydrologic data 0808
RT Climatic data
Data collections
Depth-area-duration analysis
—Documentation
Draft-storage curves
Drift bottles
Duration curves
Field data
Flow duration
Flow duration curves
Frequency curves
—Hydrologic aspects
Mass curves
—Model studies
—Networks

Hydrologic data (Con.)
  –Records
  Regional analysis
  River forecasting
  –Surveys
  –Tables (data)
  Water stage recorders

Hydrologic equation 0808
  BT –Equations
  RT –Discharge (water)
  Equilibrium
  Evaporation
  –Groundwater
  Groundwater flow
  Inflow
  Outflows
  Overflow
  Overland flow
  –Precipitation (atmospheric)
  Retention
  –Runoff
  Safe yield
  –Streamflow
  Subsurface runoff
  –Subsurface waters
  Surface-groundwater relationships
  –Surface waters
  Transpiration
  –Water storage
  Water supply

Hydrologic instruments 1402
  UF Instruments (hydrologic)
  BT –Instrumentation
  NT Hook gages
  Liquid level gages
  Manometers
  –Precipitation gages
  –Pressure gages
  Rain gages
  Snow gages
  Snow samplers
  Staff gages
  Stream gages
  Water meters
  Weir gages
  RT –Gaging stations
  –Hydrometeorological station
  Sediment sampling
  Snow surveys
  –Water measurement
  Water metering
  Water stage recorders

Hydrologic models 1402
  BT –Models
  –Model studies
  NT Aquifer model
  RT –Analog models
  Aquicludes
  –Aquifers
  Aquitards
  Dupuit-Forchheimer theory
  –Groundwater
  Groundwater basins
  Groundwater flow
  Groundwater geology
  Groundwater mining
  Groundwater movement
  Groundwater recharge
  –Hydrogeology
  –Mathematical models
  Theis equation
  Thiems equation
  –Water table

Hydrologic properties 0808
  BT –Properties
  NT Capillary conductivity
  Diffusivity
  Hydraulic conductivity
  Permeability
  Specific retention
  Specific yield
  Transmissivity
  RT Capillary action
  Hydraulic properties
  –Moisture content
  Moisture tension
  –Physical properties
  Rock properties
  –Soil physical properties
  –Soil properties
  Water properties

Hydrologic year
  USE Water year

Hydrology 0808
  UF Geohydrology
  NT Flood hydrology
  Groundwater hydrology
  Paleohydrology
  Parametric hydrology
  RT Consumptive use (water)
  –Drainage
  Drainage basins
  Droughts
  –Evapotranspiration
  Flood control
  Flood estimate
  Flood forecasting
  Flood hydrographs
  Flood peaks
  Flood routing
  –Floods
  Flood stages
  Flood waves
  –Flow
  –Geochemistry
  –Geophysics
  –Groundwater
  Groundwater flow
  Groundwater geology
  –Hydraulics
  Hydroelectric resources
  –Hydrogeology
  Hydrography
  –Hydrologic aspects
  Hydrologic cycle
  Hydrometeorology
  Infiltration
  –Intensity
  Large watersheds
  –Limnology
  –Meteorology
  –Precipitation (atmospheric)
  Probable maximum precipitation
  –Rainfall
  Reservoir yield
  River basins
  River currents
  –River regulation
  –Runoff
  Stream drainage patterns
  –Streamflow
  –Surface waters
  Water conservation
  –Water resources
  –Watersheds (basins)
  Watersheds (divides)
  Water sources
  –Water storage
  Water supply
  –Water supply forecasting
  Water supply systems
  –Water treatment
  –Water types
  –Water utilization

Hydrolysis 0702 0703
  BT –Chemical properties
  –Chemical reactions
  RT Aqueous solutions
  –Chemical degradation
  –Decomposition
  –Digestion
  Hydration
  –Moisture
  Solvation
  –Water

Hydromechanics
  USE Hydraulics

Hydrometeorological station 0402
  BT –Stations
  NT Stream gaging station
  RT Climatic data
  –Climatology
  Data collections
  –Evaporation
  –Gaging stations
  Humidity
  –Hydrologic aspects
  –Hydrologic instruments
  –Instrumentation
  –Meteorology
  –Precipitation gages
  –Radiation
  Rain gages
  Streamflow records
  –Temperature
  –Water measurement
  Weather data
  –Wind (meteorology)

Hydrometeorology 0402
  BT –Meteorology
  RT Agriculture
  –Clouds
  Flood control
  Flood forecasting
  –Floods
  Hail
  –Hydrology
  Rain
  –Rainfall
  River forecasting
  Streamflow records

Hydrometers 1402
  BT –Densimeters
  –Instrumentation
  –Measuring instruments
  –Meters
  RT –Density
  –Gradation analysis
  Hydrometry
  Laboratory equipment
  Liquids
  Settling velocity
  Specific gravity

Hydrometric instruments
  USE Hydrometry

Hydrometry 1402
  UF Hydrometric instruments
  Instruments (hydrometric)
  RT –Density
  Floating
  –Flow
  Gravimetry
  Hydrometers
  –Measurement
  Water properties

Hydrophase diagrams 0808
  RT –Discharge (water)
  –Hydrographs
  –Rates
  –Runoff

Hydrophilic animals
  USE Aquatic animals

Hydrophones 1701
  BT –Acoustic equipment
  –Detectors
  –Equipment
  –Instrumentation
  RT –Acoustics
  Animal sounds
  Communication
  Microphones
  Sounding
  –Sound waves

Hydroplanes
  USE Hydrofoils

Hydroponics 0603.1
  RT –Aquiculture
  Cultures
  –Environments

Hydroscopic water
  USE Hygroscopic water

Hydrosols (dispersions) 0704
  BT –Colloids

Hydrosols (soils) 0807
  BT –Soil types

Hydrostatic pressure 2004
  UF Hydrostatic stress
  BT –Pressure
  –Water pressure
  RT –Earth pressure
  –Fluid mechanics
  –Head (fluid mechanics)
  Horizontal loads
  Hydraulic gradient
  Hydraulic pressure
  –Hydrodynamics
  Hydrostatics
  Jets
  Microenvironment
  Negative pore pressure
  –Negative pressure
  Percolation tests
  –Permeability tests
  –Physical properties
  Pipe tests
  –Pore pressure
  Pore water pressure
  Potentiometers
  Pressure head
  Pressure pipes
  Pressure tests
  –Pumping
  Roughness (hydraulic)
  Uplift pressure
  Vapor pressure
  Water properties

Hydrostatics 2004
  BT –Fluid mechanics
  –Mechanics
  –Physics
  –Statics
  RT Elevation
  –Engineering mechanics
  –Head (fluid mechanics)
  Head losses
  Hydraulic gradient
  Hydraulic pressure
  –Hydraulics
  Hydrostatic pressure
  Liquids
  Pressure head
  –Water
  –Water pressure
  Water tunnels (testing)

Hydrostatic stress
  USE Hydrostatic pressure

Hydrostatic uplift
  USE Uplift pressure

Hydrotreat
  USE Water treatment

Hydroxides
  USE Alkalis (bases)

Hyetographs 0402
  RT Average
  –Charts
  Depth-area curves
  –Rainfall

Hygrometric instruments
  USE Hygrometry

Hygrometry 0401
  UF Hygrometric instruments
  Hygroscopy
  Instruments (hygrometric)
  Psychrometry
  BT –Metering
  NT Psychrometrics
  RT –Atmosphere
  –Chemical analysis
  Humidity
  –Measurement
  –Moisture content

Hygroscopic water 0808.1
  UF Hydroscopic water
  BT –Moisture
  –Soil moisture
  –Soil water
  –Subsurface waters
  –Vadose water
  –Water
  –Water types
  RT –Absorption
  Adsorbed water
  –Adsorption
  Bound water
  –Capillary water
  –Earth-water interfaces
  Gravitational water
  Humidity
  Moisture availability
  Wettability

Hygroscopy
  USE Hygrometry

Hypabyssal rocks
  USE Volcanic rocks

Hypersonic wind tunnels
  USE Wind tunnels

Hypolimnion 0808
  RT Epilimnion
  –Lakes
  –Limnology
  –Optical properties

Hypolimnion (Con.)
Profundal zone
–Reservoirs
Stagnant water
–Stratification
Thermal stratification
Thermocline

Hypsometric analysis 1402
UF Area-altitude analysis
BT –Analytical techniques
RT Areal
Elevation
Height
–Watersheds (basins)

Hysteresis 1407
RT Accuracy
–Damping
Eddy currents
Inelastic action
Internal friction
–Magnetic properties
–Mechanical properties
–Physical properties
Rebound
Reproducibility
Retarding
–Soil moisture
–Stress
–Tensile properties
–Tensile strength
Time lag
Tolerances (mechanics)

I

Ice 0812
NT Anchor ice
Floating ice
Frazil ice
Hail
Icebergs
Lake ice
Rime
Sea ice
RT Ablation
–Climatology
Coolants
Crevasses
Cryology
Deicers
Deicing
Dry ice
Firn
–Freezing
Frost
Frost action
Frost heaving
Frost prevention
–Frozen soils
Glaciers
Highway icing
Ice breakup
Ice cover
Ice crystals
Iced lakes
Ice formation
Ice jams
Ice lenses
Ice loads
Ice nuclei
Ice pressure
Ice prevention
Ice-water interfaces
Melting
–Melt water
Permafrost
Refrigerants
Refrigeration
Sleet
Slush
–Snow
–Storms
Sublimation
Supercooled fog
–Water
Water sources
–Water types
Winterkilling

Icebergs 0812
BT –Ice
RT Ablation
Floating ice
–Fresh water
Glaciers
Navigation
Oceans
Sea ice
Sea water

Ice breakup 0812
RT Floating ice
–Ice
Iced lakes
Ice formation
Ice jams
Melting
–Rivers

Ice cover 0812
RT Anchor ice
Frazil ice
–Ice
Iced lakes
Ice loads
Ice pressure
Ice-water interfaces
Lake ice

Ice crystals 0812
BT –Crystals
RT Crystallography
–Freezing
Frost
Frost action
–Ice
Ice formation
Ice nuclei

Iced lakes 0812
BT –Bodies of water
–Standing waters
–Surface waters
RT –Ecology
Floating ice
–Ice
Ice breakup
Ice cover
Lake ice

Ice fishing 0511
BT –Fishing
–Winter sports
RT Bait fishing
Cold-water fishing
Fishing gear
–Freshwater fish
Lake fisheries
Lake ice
Sport fishing

Ice formation 0812
RT Deicers
–Freezing
Frost
Frost action
Frost prevention
Glaciers
Highway icing
–Ice
Ice breakup
Ice crystals
Ice lenses
Ice nuclei
Ice-water interfaces
Nucleation
Supercooled fog

Ice jams 0812
RT Floating ice
–Ice
Ice breakup
Ice loads
Ice pressure
Melting
Navigation
–Rivers
–Streams

Ice lenses 0812
RT Capillary action
–Freezing
Frost
Frost action
Frost heaving
–Frozen soils
–Ice
Ice formation
Ice prevention
Permafrost
Soil water movement
–Temperature

Ice loads 2011
BT –Loads (forces)
RT Dead loads
Dynamic loads
External forces
Horizontal loads
–Hydraulic structures
–Ice
Ice cover
Ice jams
Ice pressure
Ice prevention
–Live loads
–Pressure
Sea walls
Shore protection
Slope protection
–Transmission lines

Ice nuclei 0402
RT –Ice
Ice crystals
Ice formation
–Weather modification

Ice pressure 0812 2011
BT –Pressure
RT Frost action
Frost heaving
Horizontal loads
–Ice
Ice cover
Ice jams
Ice loads
Ice prevention
–Loads (forces)

Ice prevention 0812
RT Compressed air
Deicers
Deicing
–Entrances (fluid flow)
Frost prevention
Frost protection
–Heating
–Ice
Ice lenses
Ice loads
Ice pressure
–Intakes
Navigation
Preheating
Snow removal
Temperature control

Ice skating 0511
UF Skating (ice)
BT –Recreation
–Winter sports
RT Lake ice

Ice stones
USE Hail

Ice-water interfaces 1407
UF Water-ice interfaces
BT –Boundaries (surfaces)
–Interfaces
RT Floating ice
Frost action
–Ice
Ice cover
Ice formation
Lake ice

Ictalurus catus
USE Catfishes

Ictalurus furcatus
USE Catfishes

Ictalurus lupus
USE Catfishes

Ictalurus meals
USE Bullheads

Ictalurus natalis
USE Bullheads

Ictalurus neblosus
USE Bullheads

Ictalurus platycephalus
USE Bullheads

Ictalurus punctatus
USE Channel catfish

Ictiobus species
USE Buffalo fishes

Idaho 0806
BT –Geographical regions
–States (geographical)
RT Reclamation states

Ideas 1407
RT Clarity
Communication
Creativity
Incentives
Innovation
Inventions
Reasoning
Semantics

Igneous rocks 0807
BT –Crystalline rocks
–Rocks
NT –Acidic rocks
Andesite
Basalt
–Basic rocks
Diabase
Diorite
Gabbro
Granite
–Intermediate rocks
Lava
Pegmatites
Perlite
–Plutonic rocks
Pumice
Rhyolite
Syenite
Ultrabasic rocks
–Volcanic rocks
RT Dikes
–Geologic formations
–Geology
–In situ rock
Magma
–Metamorphic rocks
–Petrography
–Petrology
–Tuff
Unlined tunnels
Vertical joints

Illinois 0806
BT –Corn belt
–Geographical regions
–States (geographical)

Illite 0807
BT –Clay minerals
–Minerals
–Silicates
RT Kaolinite
Mica
–Montmorillonite

Imhoff tanks
USE Sewage treatment

Immature growth stage 0603.2
BT –Growth stages
RT –Juvenile fishes
Juvenile growth stage
Larval growth stage
Sexual maturity
Viability

Immigration (fish)
USE Fish establishment

Immigration (plant)
USE Vegetation establishment

Immiscibility 1407
BT –Physical properties
RT Opacity
Solubility
Solvent extractions
Turbidity
Water properties

Impact 1407
RT Deceleration
Dynamic loads
Impact loads

Impact (Con.)
Impact tests
–Loads (forces)
–Pressure
Shear waves
Shock (mechanics)
Shock (physiology)
Shock resistance
Shock waves
–Stress
Stress waves

Impact (rainfall) 0402
RT –Erosion
Interception
–Precipitation (atmospheric)
Raindrops
–Rainfall
Soil surfaces

Impact loads 2011
BT –Live loads
–Loads (forces)
RT –Blasts
Dynamic loads
–Explosions
Impact
Impact tests
Shock (mechanics)
Shock tests
Transient stress

Impact tests 1402
BT –Dynamic tests
–Materials tests
–Metal tests
–Tests
RT Acceptance tests
Brittleness
–Compression tests
Dynamic response
Fatigue tests
Hardness
Hardness tests
Impact
Impact loads
Laboratory tests
Notch tests
–Shear tests
Shock tests
–Soil tests
Tension tests
Toughness

Impaired water quality 1302.2
BT –Water quality
RT Brackish water
–Desalination
Hardness (water)
–Organoleptic properties
Stream pollution
Turbidity
–Water pollution
–Water purification
Water quality control
Water softening

Impedance (electrical)
USE Electrical impedance

Impedance (hydraulic)
USE Retardance

Impellers 1307.1
BT –Rotors
RT Blowers
Cavitation
Centrifugal pumps
–Pumps
Rotating components
Spiral cases
Turbine blades
Turbine runners
–Turbines
–Vanes

Impermeability
USE Permeability

Impermeable blankets
USE Impervious blankets

Impermeable linings
USE Impervious linings

Impermeable membranes
USE Impervious membranes

Impermeable soils
USE Impervious soils

Impervious blankets 1313.1
UF Impermeable blankets
BT –Blankets
RT –Barriers
Canal seepage
Compacted soils
Cutoffs
Earth-lined canals
Earth linings
–Earthworks
Impervious linings
Impervious membranes
Impervious soils
–Leakage
–Linings
Permeability
Reservoir design
Reservoir leakage
–Seepage
Seepage control
Soil compaction
Waterproofing
Watertight

Impervious linings 1313.1
UF Impermeable linings
BT –Linings
RT Asphalt membranes
–Barriers
–Blankets
Buried membranes
Canal linings
Canal sealants
Canal seepage
Concrete linings
–Curtains
Cutoffs
Earth linings
Impervious blankets
Impervious membranes
Impervious soils
–Leakage
–Membranes
Permeability
Reservoir leakage
Rigid linings
–Seepage
Seepage control
Waterproofing
Watertight

Impervious membranes 1313.1
UF Impermeable membranes
BT –Membranes
RT Asphalt membranes
–Barriers
Buried membranes
Canal linings
Canal sealants
Canal seepage
Concrete linings
Cutoffs
Impervious blankets
Impervious linings
Impervious soils
–Leakage
–Linings
–Membrane processes
Permeability
Pervious membranes
–Plastics
Ponding tests
Reservoir leakage
Roofing materials
–Seepage
Seepage control
Transition zones
Waterproofing
Watertight
Zoned embankments

Impervious soils 0807
UF Impermeable soils
BT –Earth materials
–Materials
–Soils
–Soil types
RT Aquicludes
–Clays
Cohesive soils
Compacted soils
Earth-lined canals
Earth linings
–Expansive clays
–Finegrained soils
Groundwater barriers
Hardpan
Impervious blankets
Impervious linings
Impervious membranes
Perched water
Permeability
–Pervious soils
Puddling
–Silts
Soil density
–Soil properties
Soil texture
Waterlogged land

Implied benefits 0501 0503
BT –Benefits

Import 0503
BT –Foreign trade
RT Export
Tariff
–Treaties
Water plans

Impounded waters 1302.6
BT –Water types
RT Calefaction
Farm ponds
–Impoundments
–Reservoirs
Stock ponds

Impoundments 1302.6
BT –Bodies of water
NT Detention reservoirs
Early impoundment
Equalizing reservoirs
Evaporation reservoirs
Farm ponds
Forebays
Multiple purpose reservoirs
–Reservoirs
RT –Dams
Impounded waters
–Lakes
Late impoundment
–Post-impoundment
Pre-impoundment
–Reservoir stages

Impregnation 1308
RT Chemical sealants
–Coatings
Fungicides
Injection
Lubrication
Polymer concretes
Porosity
–Porous materials
Soaking
Soil stabilization
Soil treatment
Solidification
Wood preservatives
Wood preservatives (pesticides)

Impulses 1407
RT –Frequency
Natural frequency
Pulsating flow
Pulses
Reactions (mechanics)
–Vibration

Impulse tests (electrical) 1402
BT –Tests
RT Direct current
Electrical insulation tests
–Electrical insulators
High voltage
–Test equipment
–Test facilities
–Transformers
Withstand level (electric)

Impulse turbines 1307.1
BT –Hydraulic machinery
–Hydraulic turbines
–Turbines
RT –Electric generators
–Electric power production
High head
Jets
Pelton turbines
Turbine wheels

Impurities 1407
RT –Contamination
Defects
Heterogeneity
Pollutants
Scum
–Toxicity
–Wastes

Incentives 0510
RT Applied psychology
–Contract administration
Employee relations
Fringe benefits
Ideas
Industrial relations
Motivation
–Payment
Personnel management
Professional advancement
Salaries

Incineration 2102
RT Burning
–Disposal
–Drying
Oxidation
Refuse disposal
Sludge disposal
Smoke
–Solid wastes
Ultimate disposal
–Wastes

Incinerators 1302
RT –Air pollution
–Buildings
–Furnaces
Garbage
–Industrial plants
Refuse disposal
–Sewage treatment
Sewage treatment plants
–Sewage works

Inclines
USE Slopes

Inclinometers 1402
BT –Instrumentation
–Measuring instruments
–Meters
RT Magnetometers
Slope indicators
Tiltmeters

Income 0503
NT Adjusted income
Average income
Gross income
Incremental income
Marginal income
National income
Net income
Real income
RT Assessments
–Benefits
–Costs
Diseconomies of scale
Earnings
Economic efficiency
–Economics
Economies of scale
Engineering costs
Financial analysis
Income analysis
Monetary benefits
–Prices
–Profit
–Return (monetary)
Return to scale
Revenues
Royalties
–Taxes
Tourism

Income analysis 0503
BT –Analysis
RT –Cost analysis
–Income

Incompressible flow 2004
BT –Flow
–Fluid flow
–Movement
RT –Compressible flow
–Hydraulic models
–Hydraulics
–Hydrodynamics
Liquids
Newtonian flow

Incremental income 0503
BT –Income
RT Marginal income

Incrustation 1113
RT Capacity reduction
–Coatings
Crusts
Deposition
Exudation
Scale (corrosion)
Scale prevention
Scaling

Incubation 0603
RT Broods
–Diseases
–Eggs
Hatching
Infection

Indexes (documentation) 0502
RT Bibliographies
Catalogs
–Classifications
Descriptors
Directories
–Documentation
–Indexing
Information retrieval
Keywords
Libraries
–Subject indexing
Thesaurus

Indexes (ratios) 1201
NT Cost indexes
RT –Efficiencies
–Indicators
Production control
Scale (ratio)

Indexing 0502
NT Coordinate indexing
RT Catalogs
–Classifications
Descriptors
Directories
–Documentation
Indexes (documentation)
Information retrieval
Information science
Keywords
–Subject indexing
Thesaurus
Vocabularies

Index of refraction
USE Refractivity

Index tests 1402
BT –Materials tests
–Soil tests
–Tests
RT Acceptance tests
–Atterberg limits
Laboratory tests
Liquid limit
Optimum moisture content
–Physical properties
Plasticity index
Plastic limits
Proctor curves
Pump tests
Relative consistency
Soil plasticity
Test procedures

Indiana 0806
BT –Corn belt
–Geographical regions
–States (geographical)

Indian reservations 0504
BT –Federal reservations
RT National historic sites
–Public land

Indicator bacteria
USE Bioindicators

Indicators 1402
NT Bioindicators
Tiltmeters
RT –Analytical techniques
Biochemical oxygen demand
Chemical oxygen demand
–Chemicals
–Detectors
–Dyes
–Equipment
–Gages
–Indexes (ratios)
–Instrumentation
Labels
Marking techniques
–Measuring instruments
–Meteorological instruments
–Meters
Path of pollutants
Pollutant identification
–Probes (instruments)
–Quality control
–Sensors
Tagging
–Tracers
–Transducers

Indicators (slope)
USE Slope indicators

Indirect benefits 0501 0503
UF Secondary benefits
BT –Benefits
RT Direct benefits
Fringe benefits
Indirect costs
Induced benefits
Project benefits
Third party effects

Indirect costs 1401
UF Secondary costs
BT –Costs
RT Construction costs
Direct costs
Electric power costs
Engineering costs
Fixed costs
Indirect benefits
Induced costs
Labor costs
Operating costs
Overhead costs
Third party effects
Variable costs

Induced benefits 0501 0503
BT –Benefits
RT Indirect benefits
Induced costs

Induced costs 1401
BT –Costs
RT Indirect costs
Induced benefits
Overhead costs

Induced currents 2003
BT –Electric current
RT Current transformers
Ground currents
Magnetic induction
–Transformers

Induced infiltration 0808.1
BT –Artificial recharge
–Recharge
–Water management (applied)
RT Groundwater recharge
Infiltration
Injection wells
Percolation
–Pumping
–Water table
–Water wells

Induced precipitation 0402.1
UF Artificial precipitation
BT –Precipitation (atmospheric)
–Weather modification
RT Cloud seeding
Probable maximum precipitation
Rain
Rainfall simulators
Silver iodide generators

Induced voltage 2003
RT –Electric potential
Magnetic induction
–Power transformers
–Transformers

Inductance 2003
BT –Electrical properties
RT Capacitance
Electrical conductance
Electrical impedance
Magnetic induction
–Magnetic properties
Power factor
Reactance

Induction (magnetic)
USE Magnetic induction

Induction heating 1301
BT –Heating
RT –Heat
Preheating

Induction motors 0903
BT –Electrical equipment
–Electric motors
–Motors
RT –Converters (electrical)
Electrical design
Electrical insulation
–Electric generators
–Rotors
Stators

Industrial cooling
USE Cooling water

Industrial crops 0204
BT –Crops
–Plants (botany)
RT –Agronomic crops
–Forests
–Horticultural crops
Orchards
Plant groupings
–Trees

Industrial effluents
USE Industrial wastes

Industrial engineering 1308
UF Engineers (industrial)
Industrial engineers
BT –Engineering
RT Industrial relations
–Management
Management engineering
Materials handling
Mining engineering
Organizing
Personnel management
Production control
–Productivity
–Quality control
Scheduling
–Standards
Systems engineering
Time and motion studies
Value engineering

Industrial engineers
USE Industrial engineering

Industrial management
USE Industrial relations

Industrial plants 1309
UF Factories
Industrial property
NT Ball mills
Canneries
Dual-purpose nuclear plants
–Electric powerplants
Geothermal powerplants
Hydroelectric powerplants
–Mills
–Nuclear powerplants
–Powerplants
Pumping plants
Rod mills
Saw mills
Thermal powerplants
Tidal powerplants
Underground powerplants
RT –Air pollution
–Buildings
Desalination plants
–Facilities
Incinerators
Industrial production
–Industrial wastes
–Industrial water
–Laboratories
Municipal water
Pilot plants
Plant efficiencies
–Structures
Treatment facilities
–Water utilization
–Waterworks

Industrial production 1308
UF Production (industrial)
BT –Production
RT –Administration
–Control
–Costs
Economic impact
Equipment costs
Fabrication
–Industrial plants
–Industrial wastes
–Industries
Innovation
Inventions
–Maintenance
–Management
Manpower
–Marketing
Materials control
–Operations
Plant efficiencies
Scheduling
–Standards
Time and motion studies

Industrial property
USE Industrial plants

Industrial relations 0501
UF Industrial management
RT –Employment
Fringe benefits
Group dynamics
Incentives
Industrial engineering
Labor unions
–Management
Morale
–Personnel
Political aspects
Public relations
–Sociology

Industrial wastes 1302.1
UF Industrial effluents
BT –Wastes
NT Coal mine wastes
–Mine wastes
Pulp wastes
Strip mine wastes
RT Canneries
Chemical wastes
–Contamination
Debris
Disposal wells
Farm wastes
Fermentation
–Industrial plants
Industrial production
–Industrial water
Mineral content
–Mining
Oil wastes
Oxidation lagoons
Phenols
Saw mills
–Sewage
Sewage disposal
Sewage sludge
–Sewage treatment
–Sludge
Soil contamination
Stream pollution
Sulfite liquors
Waste stabilization ponds
Waste water
Waste water (pollution)
Waste water treatment
–Water pollution
Water pollution sources
Wood wastes

Industrial waste treatment 1302.1
BT –Treatment
–Waste treatment
NT Activated sludge
Radioactive waste disposal
RT –Microorganisms
–Sewage
Sewage disposal
Sewage treatment plants
–Wastes
–Water pollution
Water recirculation

Industrial water 1302.1
BT –Water
–Water types
NT Boiler feed water
RT Beneficial use
Cooling water
–Industrial plants

Industrial water (Con.)
—Industrial wastes
Pre-treatment (water)
Recirculated water
Supplemental water
—Utilities
Waste water (pollution)
Water allocation (policy)
Water consumption
Water costs
Water demand
—Water policy
—Water quality
Water recirculation
—Water reuse
Water supply
—Water treatment
Water users

Industries 0503
NT Commercial fishing
Dairy industry
Electrical industry
Electric power industry
Lumbering
Mineral industry
Oil industry
Pulp and paper industry
Steel industries
RT Applied research
Canneries
Cities
Economic growth
Economic impact
Industrial production
Land use
Manufacturing
Municipalities
—Organizations
—Processing
Repayment contracts
—Social aspects
Urban areas
—Utilities
—Water reuse
Worldwide
—Zoning

Inelastic action 2012
RT Deformation modulus
Elasticity (mechanical)
Hysteresis
Plastic deformation
Plastic failure
—Plasticity
Plastic limits
Yield point

Inert gases 0702
BT —Chemical elements
—Gases
—Nonmetals
NT Argon
Helium
Neon
RT Chemical stability

Inertia (moments of)
USE Moments of inertia

Infection 0605
RT —Diseases
Incubation
Zoonoses

Infiltration 2004
UF Permeation
RT Antecedent precipitation
Capillary conductivity
Chiselling
Deep tillage
Depression storage
Drain tiles
Gravitational water
—Groundwater
Groundwater flow
Groundwater movement
Groundwater recharge
—Groundwater sources
Hydraulic conductivity
—Hydrographs
Hydrologic budget
—Hydrology
Induced infiltration
Infiltration capacity
Infiltration rate
—Infiltrometers
Interstices
—Irrigation
—Irrigation practices
—Irrigation water
Leaching
—Leakage
Lysimeters
Natural recharge
—Penetration
Percolation
Percolation tests
Permeability
—Permeability tests
—Pervious soils
—Phreatic water
Pit recharge
Ponding
Porosity
Rainfall-runoff relationships
Recharge wells
Retention
—Runoff
Runoff forecasting
—Saline water intrusion
—Seepage
Simulated rainfall
Soil amendments
—Soil management
—Soil moisture
Soil moisture movement
—Soil physical properties
—Soil properties
Soil structure
Soil surfaces
Soil texture
—Soil types
—Soil water
Soil water movement
Spreading basins
Storage capacity
Surface storage
—Unsaturated flow
Vegetation effects
Vertical mulching
Voids
Water application rate
—Water loss
Water spreading
—Water wells
Wetting front

Infiltration capacity 2004
RT Flow rates
Infiltration
Infiltration rate
—Permeability tests
Soil water movement

Infiltration rate 2004
RT Capillary conductivity
Darcys law
Flow rates
Infiltration
Infiltration capacity
—Intensity
—Permeability tests
Soil water movement
—Unsaturated flow
Wetting front

Infiltrometers 1402
BT —Instrumentation
NT Rainfall simulators
RT Infiltration

Inflation (economic) 0503
RT Cost indexes
Depression
Economic impact
—Economics

Inflow 0808
RT —Aquifers
—Conduits
—Discharge (water)
Estuaries
—Flow
Hydrologic budget
Hydrologic equation
Injection
—Leakage
—Mine water
—Penetration
—Recharge
Reservoir capacity
—Reservoirs
Reservoir storage
—Rivers
—Routing
—Seepage
—Sewage
Streamflow regulation
—Streams
Trap efficiency
—Wastes
Water balance
Water budget
—Wells
Well yield

Influence charts 1313.6
BT —Charts
RT Design tools
Displacements
—Effects
—Footings
—Foundations
—Loads (forces)
—Stress
—Structural design
—Structural members

Influent streams 0808
BT —Bodies of water
—Groundwater sources
—Streams
RT Bank storage
Effluent streams
—Groundwater
Groundwater flow
—Seepage
—Water loss
—Water table
Zone of saturation

Information 1407
UF Data
NT Experimental data
Field data
Mathematical tables
Meteorological data
—Tables (data)
RT Information science
Information theory

Information centers 0502
RT —Documentation
Information retrieval
Information science
Libraries
Scientific societies

Information retrieval 0502
UF Library searches
RT Bibliographies
Catalogs
—Computer programs
Coordinate indexing
Current awareness
Data collections
Data retrieval
Descriptors
Dictionaries
Dissemination (information)
—Documentation
Indexes (documentation)
—Indexing
Information centers
Information science
Information systems
Interest profiles
Keywords
Libraries
Publications
—Subject indexing
Thesaurus
Translations

Information science 0502
RT Current awareness
Data collections
Descriptors
—Documentation
—Indexing
—Information
Information centers
Information retrieval
Information systems
Interest profiles
Keywords
Libraries
Machine translating
Selective dissemination
—Subject indexing
Systems analysis
Thesaurus
—Translating

Information systems 0502
RT —Computers
Current awareness
Data collection systems
Data retrieval
Data storage
Decision making
Dissemination (information)
—Documentation
Feedback
Information retrieval
Information science
Information theory
Interest profiles
Keywords
Libraries
—Management
Management engineering
Selective dissemination
Systems analysis
Systems engineering
Vocabularies

Information theory 0904
BT —Theory
RT —Data processing
Data transmission
Fourier analysis
—Information
Information systems
—Operations research
Probability theory
Systems engineering

Infrared detectors 1402
BT —Detectors
—Equipment
—Instrumentation
—Sensors
RT Infrared photography
Infrared radiation
Radiometers
—Temperature sensors

Infrared photography 1405
BT —Photography
RT Aerial photography
Infrared detectors
—Photographs
Photointerpretation
—Temperature sensors

Infrared radiation 2006
UF Infrared rays
Radiation (infrared)
BT —Electromagnetic waves
—Radiation
—Transport phenomena
—Waves
RT Electromagnetic wave filters
—Heat
Infrared detectors
Infrared spectroscopy
Light waves
Radiometers
Solar radiation
—Temperature sensors
Thermal radiation
Wavelength

Infrared rays
USE Infrared radiation

Infrared spectroscopy 1402
BT —Analysis
—Analytical techniques
—Chemical analysis
—Spectroscopy
RT Infrared radiation
Molecular structure
Qualitative analysis
—Spectrometry
Spectrum analysis

Ingestion (biological)
USE Digestion

Inhibition 1407
RT Attenuation
—Corrosion control
—Damping
Inhibitors
Neutralization
Retarding
—Stabilization

Inhibitors 1107
UF Agents (inhibiting)
RT Accelerating (chemistry)
—Additives
Attenuators
Biochemistry

Inhibitors (Con.)
Catalysts
Chemcontrol
–Coatings
Competition
Enzymes
–Gates
Inhibition
–Linings
–Metabolism
Neutralization
–Paints
–Pesticides
Plant growth regulators
Plant growth substances
–Poisons
–Protective coatings
–Retardants
–Retarding agents
–Toxins
Venoms

Initial costs 1401
BT –Costs
RT Construction costs
Electric power costs
Equipment costs
Installation costs

Initial set 1303.1
RT –Cements
–Concrete placing
–Concretes
–Curing
False set
–Hardening
–Portland cements
–Retarding agents

Injection 1407
UF Water injection
RT Aeration
–Entrainment
–Flooding
Groundwater recharge
–Grouting
Impregnation
Inflow
Injection wells
Injectors
Mudjacking
Oil industry
Oil reservoirs
–Recharge
Recharge wells
Secondary recovery (oil)

Injection grouting
USE Grouting

Injection wells 0808.1
BT –Water wells
–Wells
RT Disposal wells
Groundwater recharge
–Groundwater sources
Induced infiltration
Injection
Oil wells
–Recharge
Recharge wells
–Waste disposal
–Waste water disposal
Water sources

Injectors 1407
RT Carburetors
Diesel engines
Ejectors
Feeders
Injection
Nozzles
–Pumps
Salt velocity method

Inland waterways 0806
BT –Bodies of water
–Channels
–Navigable waters
–Waterways
NT Navigable rivers
RT –Canals
Harbors
Inlets (waterways)
Marinas
Marine engineering
–Rivers
–Routing
–Transportation

Inlets (devices)
USE Intakes

Inlets (waterways) 0806
BT –Bodies of water
–Land forms
–Waterways
RT Bays (topographic features)
–Channels
Estuaries
Fjords
Harbors
–Inland waterways
Jetties
Lagoons (landforms)
Marinas
–Tides

Innovation 1407
RT Cost savings
Creativity
Design improvements
–Economies
–Efficiencies
Ideas
Industrial production
Inventions
Labor savings

Inorganic compounds 0702
BT –Chemical compounds
NT Anhydrite
–Arsenicals (pesticides)
–Arsenic compounds
–Calcium carbonate
Calcium chloride
Calcium hydroxide
–Calcium sulfate
Carbon dioxide
Carbon monoxide
Chalk
–Chlorides
–Clay minerals
Copper sulfate
Fluorides
Gypsum
–Halides
Hydrogen sulfide
–Inorganic pesticides
Iron oxides
Magnesium carbonates
Magnesium hydroxide
Nitrites
–Oxides
Potassium carbonate
Silica
–Silicates
Silver iodide
Sodium arsenite
Sodium chloride
Sodium silicate
Sodium sulfate
–Sulfides
RT Algal nutrients
–Minerals
–Organic compounds

Inorganic pesticides 0606
BT –Chemical compounds
–Chemicals
–Inorganic compounds
–Pesticides
NT Sodium arsenite
RT Copper sulfate

In place density 2012
BT –Density
–Physical properties
RT Field density
–Field tests
–In situ tests
Nuclear density meters
Rock density
Soil density
Soil density probes
Soil investigations
–Soil properties
–Soil tests
Undisturbed samples
Undisturbed soils
Unit weight

Input-output analysis 1202
NT Leontief models
RT –Economics
–Mathematical studies

Insect attractants 0606
BT –Attractants
RT Insect control
–Insecticides
–Insects

Insect behavior 0603.2
BT –Animal behavior
–Behavior
RT Entomology
–Environments
Food habits
Insect eggs
–Insects
Oviposition
–Reproduction (biology)

Insect control 0606
BT –Animal control
–Control
–Pest control
RT Acaricides
Biocontrol
Chemcontrol
Cultural control
Entomology
Environmental sanitation
Garbage
Insect attractants
–Insecticides
Insect repellents
–Insects
Integrated control measures
Larvicides
Ovicides
–Physical control
Plant growth substances
Refuse disposal
Sanitary engineering
Sanitation
Spraying
–Sterilants
–Water treatment

Insect eggs 0603.2
BT –Eggs
–Growth stages
RT Insect behavior
–Larvae
Oviposition

Insecticides 0606
BT –Chemicals
–Pesticides
–Poisons
NT Aldrin
DDT
Diazinon
Dieldrin
Endrin
Heptachlor
RT Entomology
Insect attractants
Insect control
–Insects
Larvicides
–Repellents
Rotenone
Wood preservatives (pesticides)

Insect repellents 0606
BT –Repellents
RT Insect control
–Insects

Insect resistance 0606
BT –Resistance
RT Crop response
–Environmental effects
–Insects
Plant breeding

Insects 0603.2
BT –Animals
–Invertebrates
NT –Aquatic insects
Caddisflies
–Diptera
Dobsonflies
Dragonflies
Lacewings
Mayflies
Midges
Mosquitoes
Stoneflies
Water beetles
RT Acaricides
Animal groupings
Diapause
Entomology
Insect attractants
Insect behavior
Insect control
–Insecticides
Insect repellents
Insect resistance
Invasion
–Larvae
Mites
–Pest control
Vectors (biology)

In situ rock 0807
BT –Rocks
NT Bedrock
Beds (geology)
Foundation rocks
–Geologic formations
RT –Field investigations
–Geologic investigations
–Geology
–Igneous rocks
–In situ tests
Jacking tests
–Metamorphic rocks
Outcrops
–Rock bolts
Rock excavation
Rockfalls
Rock foundations
Rock mechanics
Rock pressures
Rock properties
Rockslides
Rock slope stability
–Sedimentary rocks
Stratigraphy
Subsurface investigations
Subsurface mapping

In situ tests 1402
BT –Field tests
–Tests
NT –Field permeability tests
Foundation bearing tests
Jacking tests
Penetration tests
–Permeability tests
Ponding tests
Thiem test
Vane shear tests
RT Field density
Flat jack method
In place density
–In situ rock
Pile tests
Pressure tests
Prototype tests
Pull-out tests
Pumping tests (wells)
Rock tests
Seismic investigations
–Soil tests
Undisturbed soils

Inspection 1407
UF Inspectors
NT –Radiographic inspection
X-ray inspection
RT Acceptability
Acceptance tests
Accuracy
–Borehole cameras
Concrete control
–Construction control
–Control
Defects
–Detection
Drill hole TV cameras
–Evaluation
Field control
–Field investigations
Field laboratories
Foreign tests
Laboratory tests
Materials control
–Materials tests
–Nondestructive tests
Performance tests
Product evaluation
–Quality control
–Sampling
Sonic velocity tests
Specifications
–Standards
Statistical quality control
–Surveys
–Tests
Thick plates
Tolerances (mechanics)

Inspection (Con.)
Ultrasonic tests
Underwater television

Inspectors
USE Inspection

Installation 1315
NT Equipment installation
RT —Construction
—Equipment
Erection
Installation costs
—Maintenance

Installation costs 1401
BT —Costs
RT Electric power costs
Initial costs
—Installation
Labor costs

Installed capacity 0903
RT —Electric generators
Generating capacity
—Power transformers

Institutional constraints 0504
BT —Constraints
RT —Administration
—Contracts
—Governments
—Institutions
Political constraints
—Water policy

Institutions 0504
(planning and organizational agencies)
BT —Organizations
NT Administrative agencies
RT —Administration
—Economics
—Governments
Institutional constraints
Interstate
—Management
—Planning
Political aspects
Political science
—Water policy
Water resources development

Instruction 0509
UF Instructors
NT Programmed instruction
RT —Education
Learning
Manuals
—Methodology
Personnel management
—Procedures
—Processing
Students
—Training
Visual aids

Instructors
USE Instruction

Instrumentation 1402
Use of a more specific term is recommended
UF Instruments
NT Accelerometers
Altimeters
Ammeters
—Anemometers
Atmometers
Balloons
Barometers
Bathythermographs
—Borehole cameras
Bouyoucos blocks
Calorimeters
—Cameras
Chronographs
Chronometers
—Clocks
Collimators
Current meters
Dial gages
Dissolved oxygen analyzers
Drift bottles
Drill hole TV cameras
Drill monitors
Dynamometers
—Electric bridges
Evaporation pans
Evapotranspirometers
Extensometers
Fathometers
—Flowmeters
—Gages
Galvanometers
Geiger counters
Geodimeters
Geophones
Gravimeters
Gyroscopes
Hook gages
Hot film anemometers
Hot wire anemometers
—Hydrologic instruments
Hydrometers
Hydrophones
Inclinometers
—Infiltrometers
Infrared detectors
Interferometers
Liquid level gages
Lysimeters
Magnetometers
—Measuring instruments
Metal detectors
—Meters
Micrometers
Microscopes
—Moisture meters
Moisture sensors
Nansen bottles
Neutron counters
Nuclear density meters
—Nuclear meters
Ohmmeters
—Optical instruments
Orifice meters
Oscillographs
Oscilloscopes
Penetrometers
Permeameters
Photometers
Phytometers
—Piezometers
Pitot spheres
—Pitot tubes
Plumblines
Polariscopes
Porous tube piezometers
Potentiometers
—Precipitation gages
—Pressure gages
—Pressure measuring instruments
Pressure sensors
—Radiation detectors
—Radiation measuring equipment
Radiometers
Radiosondes
Rain gages
—Receivers
—Recording systems
Repeaters (communications)
Rotating meters
Salinity meters
Scintillation counters
Seismographs
Sextants
Soil density probes
Soil moisture meters
Soniscopes
Spectrometers
Staff gages
Stereoscopes
Strain meters
Stream gages
Stress meters
Surveying instruments
Tellurometers
—Temperature sensors
Tensiometers
Theodolites
Thermogalvanic cells
Thermometers
Tiltmeters
—Transmitters
Turbidimeters
—Velocity meters
Venturi meters
Voltmeters
Volumetric meters
Water meters
Water stage recorders
Wattmeters
Weir gages
Wheatstone bridge
RT —Analytical techniques
Appliances
Automatic control
Automation
Calibrations
Characteristics
—Chemical analysis
—Chromatography
Colorimetry
—Control
Control systems
Data collections
Depth recorders
—Detectors
—Electronic equipment
Embedded instruments
Embedded materials
Embedded metal
—Environmental tests
Farm equipment
Gas chromatography
—Hydrometeorological station
—Indicators
Jacking tests
Laboratory equipment
—Maintenance
Materials control
—Measurement
Mechanical equipment
—Metering
—Photographic equipment
Piezoelectric transducers
Powerline carriers
Pressure cells
—Radar
Remote control
Remote sensing
Repairing
Research equipment
Salt velocity method
Sensitivity
—Sensors
Servomechanisms
—Standards
—Stations
—Strain gages
Strain measurement
Stress gages
Structural behavior
Telemetry
Telemetry systems
—Television
—Test equipment
Thermocouples
Thermographs
—Transducers
—Water measurement
Water metering

Instruments
USE Instrumentation

Instruments (electronic)
USE Electronic equipment

Instruments (hydrologic)
USE Hydrologic instruments

Instruments (hydrometric)
USE Hydrometry

Instruments (hygrometric)
USE Hygrometry

Instruments (measuring)
USE Measuring instruments

Instruments (meteorological)
USE Meteorological instruments

Instruments (optical)
USE Optical instruments

Instruments (pitot)
USE Pitot tubes

Instruments (recording)
USE Recording systems

Instruments (stereoscopic)
USE Stereoscopes

Instruments (surveying)
USE Surveying instruments

Instrument transformers 1402
BT —Electrical equipment
—Transformers
RT Current transformers
Potential transformers

Insulating oil 1108
BT —Oils
RT Autotransformers
—Circuit breakers
Electrical insulation
Oil-filled cables
—Power transformers
Switchgear
Transformer oils
—Transformers

Insulation 1407
NT Acoustic insulation
Electrical insulation
—Mechanical insulation
Thermal insulation
RT Absorbers
—Absorption
—Building materials
Concrete properties
Cushioning
—Damping
—Electrical insulators
Energy absorption
Heaters
Lagging
Perlite
Pipe wrappings
Protective coverings
Vermiculite
Vibration damping

Insurance 0503
NT Flood plain insurance
RT Compensation
—Costs
—Damages
—Economics
Engineering costs
Labor unions
—Legal aspects
—Payment
Risks
Unemployment

Insurance costs 1401
BT —Costs
RT Expenditures
Fringe benefits
—Health
Life expectancy
—Payment
Risks

Intake channels 1313.1
BT —Channels
—Waterways
RT Approach channels
Entrance channels
—Intakes
—Intake structures
Intake transitions
Sloping intake structures
Training walls

Intake gates 1313.7
BT —Gates
—Hydraulic equipment
—Hydraulic gates
RT Coaster gates
Fixed wheel gates
—Hoisting machinery
Hydroelectric powerplants
—Intakes
—Intake structures
Intake towers
Multilevel outlets
—Outlet works

Intakes 1313.1
UF Inlets (devices)
Water intakes
BT —Engineering structures
NT Pump intakes
RT Bellmouths
—Conduits
Ducts
—Filters
Fish passages
Fishways
Forebays
Headwalls
Headworks
Ice prevention
Intake channels
Intake gates
—Intake structures
Intake towers
Intake transitions
Nozzles
—Orifices
—Outlets
—Outlet works

Intakes (Con.)
Penstocks
Siphons
Sluices
Storm drains
Trashracks

Intake structures 1313.1
BT –Engineering structures
–Hydraulic structures
–Structures
NT Intake towers
Sloping intake structures
RT Aqueducts
–Concrete structures
–Conduits
Control structures
–Dams
–Debris barriers
Ducts
Fish passages
Forebays
Headwalls
Headworks
Hydroelectric powerplants
Intake channels
Intake gates
–Intakes
Intake transitions
Manifolds
Multilevel outlets
Multiple purpose structures
–Outlet works
Penstocks
Pump intakes
–Pumps
–Reservoirs
Selective level releases
Siphons
Sluices
–Towers
Trashracks

Intake towers 1313.1
BT –Engineering structures
–Hydraulic structures
–Intake structures
RT –Dams
–Debris barriers
Hydroelectric powerplants
Intake gates
–Intakes
Multilevel outlets
–Outlet works
Penstocks
–Reservoirs
Trashracks

Intake transitions 1313.1
BT –Transitions (structures)
RT Approach channels
Cutoffs
–Debris barriers
Entrance channels
Intake channels
–Intakes
–Intake structures
–Outlets
Sloping intake structures
Training walls

Intangible benefits 0501 0503
BT –Benefits
RT Benefit sharing
Intangible costs
Tangible benefits

Intangible costs 1401
BT –Costs
RT Construction costs
Intangible benefits
Tangible costs

Integrals 1201
BT –Analysis
–Mathematical analysis
–Mathematics
RT Area
Boundary values
–Calculus
–Differential equations
Discontinuities
Integration (mathematics)
–Transformations

Integrated circuits 0901
BT –Circuits
RT Electrical design
–Electric current
Electronics
Transistors

Integrated control measures 0606
RT Balance of nature
Biocontrol
Chemcontrol
Compatibility
–Control
Cultural control
Insect control
Mechanical control
–Pest control
–Pesticides
–Physical control
Selectivity

Integration (mathematics) 1201
UF Integrators
BT –Analysis
–Mathematics
RT Analog computers
–Calculus
–Differential equations
Discontinuities
Fourier analysis
Hybrid computers
Integrals
–Mathematical analysis

Integrators
USE Integration (mathematics)

Intense rainfall
USE Cloudbursts

Intensity 1407
NT Rainfall intensity
RT Design earthquake
Design storm
–Earthquakes
Earthquake theory
–Hydrology
Infiltration rate
–Meteorology
–Rainfall
Rainfall-runoff relationships
Rational formula
Seismic velocity
–Seismic waves
Seismographs
–Storms

Intentional inundation
USE Flooding

Inter-agency cooperation 0504
RT –Governments

Interbasin water transfers 0808
BT –Transfer
RT –Conduits
Diversion
Diversion structures
Diversion tunnels
Diversion works
River basins
–Tunnels
Water collection systems
Water conveyance
Water plans
Water resources development
Water supply
Water transfer
–Water tunnels (conveyance)

Interception 0808
RT Canopy
–Evaporation
Impact (rainfall)
–Precipitation (atmospheric)
Rain
Raindrops
–Rainfall
Soil surfaces
Stemflow
Throughfall
–Water loss

Interconnected systems 0901.1
UF Grids (electric)
Interties
Tie lines
NT Power grids
RT –Circuits
Electric networks
Extra high voltage
Extra long distance
Load-frequency control
Loops (electrical)
Power interchange
Power system operations
System stability (electric)
–Transmission (electrical)
–Transmission lines
Ultra high voltage

Interest (finance) 0503
RT Capital
–Costs
Debt
Earnings
–Economics
Engineering costs
Engineering economy
Equipment costs
Finance
Financial analysis
Financing
Interest rate
Investment
Loans
–Payment
–Prices
Principal
–Profit
Revenues

Interest profiles 0502
RT –Computers
Current awareness
Decision making
Information retrieval
Information science
Information systems
Selective dissemination

Interest rate 0503
RT –Costs
Credit
Discount rate
Interest (finance)
–Prices
–Rates

Interfaces 1407
BT –Boundaries (surfaces)
NT Air-earth interfaces
Air-water interfaces
–Earth-water interfaces
Free surfaces
Ice-water interfaces
–Liquid-gas interfaces
–Liquid-vapor interfaces
Mud-water interfaces
Oil-water interfaces
Saline water-freshwater interfaces
Sediment-water interfaces
RT Boundary processes
–Flow
Froth flotation
Microenvironment
Monomolecular films
–Saline water intrusion
–Sediments
Shear drag
Sorption
–Surface properties
–Surfaces
Surface tension
Wettability

Interference 2014
NT Atmospherics
Radio interference
RT –Damping
Distortion (optics)
–Disturbances
–Noise (sound)
Radar reflections
Radio reception
–Radio signals

Interference analyzers 1402
UF Analyzers (interference)
BT –Test equipment
RT –Electromagnetic properties
–Electronic equipment

Interferometers 1402
BT –Instrumentation
–Measuring instruments
–Optical instruments
–Test equipment
RT –Optical instruments
Spectrum analysis
Wavelength

Interflow
USE Subsurface runoff

Interfluves 0808
RT Drainage basins
Drainage density
–Rivers
–Runoff
Sheet floods
–Streams
–Watersheds (basins)
Watersheds (divides)

Interior friction
USE Internal friction

Intermediate hosts 0605
BT –Hosts
RT –Diseases
–Life cycles
Life expectancy
Life history studies

Intermediate rocks 0807
BT –Igneous rocks
–Rocks
NT Andesite
Diorite
Syenite
RT –Acidic rocks
–Basic rocks
–Plutonic rocks
Ultrabasic rocks
–Volcanic rocks

Intermittent streams 0808
BT –Bodies of water
–Land forms
–Non-perennial streams
–Streams
–Watercourses (legal)
RT Arroyos
Ephemeral streams
Seasonal
Snowmelt
–Springs (water)

Internal combustion engines 2111
UF Engines (internal combustion)
Oil engines
NT Diesel engines
RT Cams
Carburetors
Fuels
Gasoline
Manifolds
–Motors
Pistons
Power transmission (mechanical)
Prime movers

Internal forces 2011
UF Forces (internal)
RT Adhesion
Cohesion
Contraction
–Expansion
–Expansive forces
Internal friction
Linear expansion
–Loads (forces)
–Pore pressure
–Pressure
–Shrinkage
Strength of materials
–Stress
Swelling pressure
Total loads
Total stress

Internal friction 2012
UF Interior friction
BT –Friction
–Mechanical properties
RT Angle of repose
Cohesion
–Damping
–Density
Effective stress
External friction
Friction coefficient (hydraulic)
Friction coefficient (mechanical)
Friction tests
Hysteresis
Internal forces
Mohr circle
Mohr envelope
Mohr failure theory

Internal friction (Con.)
Negative friction
Positive friction
Shear planes
Shear strength
–Shear tests
Sliding resistance
–Soil properties
Solid friction
Strength of materials
Viscosity

International commissions 0504
UF Commissions, international
RT Federal government
International compacts

International compacts 0504
UF Agreements (foreign)
Agreements (international)
Compacts (international)
Foreign agreements
Foreign compacts
Foreign treaties
International treaties
BT –Agreements
–Treaties
RT Commercial fishing
Developing countries
Export
Federal government
Foreign countries
Foreign products
–Foreign trade
Foreign waters
International commissions
–International law
International waters
Law of the sea
Oil industry
–Policies
Political science
Water plans

International geophysical year
0504
RT –Geophysics
–Hydrologic aspects
–Meteorology

International hydrological decade
0504
RT Conferences
Foreign countries
–Hydrologic aspects
Publications
–Stations

International law 0504.1
BT –Legal aspects
NT Law of the sea
RT –Foreign trade
Foreign waters
International compacts
International waters
Litigation
–Organizations
Political science
–Regulations
–Sociology

International policies
USE Foreign policies

International treaties
USE International compacts

International waters 0504
RT Commercial fishing
–Foreign trade
Foreign waters
International compacts
–International law
Oil industry
–Treaties
–Water treatment

Interrupters 0901
BT –Control equipment
–Electrical equipment
–Electric switches
RT Air gaps
–Circuit breakers
Disconnecting switches
Electric relays
Interrupter switches
Interrupting capacity
Overloads

Interrupter switches 0901
BT –Control equipment
–Electrical equipment
–Electric switches
RT Air gaps
–Circuit breakers
Disconnecting switches
Electric relays
Interrupters
Overloads

Interrupting capacity 0901 0903
RT –Circuit breakers
–Electric current
–Electric potential
Interrupters

Interstate 0504
RT Cooperatives
Equitable apportionment
–Governments
–Institutions
Political aspects
State governments
–Water policy
Water resources development

Interstate commissions 0504
RT Interstate compacts
Interstate rivers
–Organizations
River basin commissions
Water resources development

Interstate compacts 0504.1
UF Compacts
Compacts (interstate)
RT Interstate commissions
Interstate rivers
–Water law
Water plans

Interstate rivers 0808
BT –Bodies of water
–Land forms
–Rivers
–Running waters
–Streams
–Surface waters
–Waterways
RT Equitable apportionment
Interstate commissions
Interstate compacts
Water plans

Interstices 1407
RT Capillarity
Capillary conductivity
Cavities
–Cracks
Infiltration
Percolation
Permeability
Pores
Porosity
Porous media
Voids

Intertidal areas 0810
UF Foreshore
BT –Regions
RT –Aquatic habitats
–Beaches
Estuaries
Mud flats
Mud-water interfaces
–Shores
Terrestrial habitats
Tidal effects
–Tides

Interties
USE Interconnected systems

Intrinsic pressure 2012
BT –Pressure
RT Cohesion
Cohesive strength
Effective stress
Residual stress

Intrusion
USE Saline water intrusion

Intrusion (salinity)
USE Saline water intrusion

Intrusion (salt water)
USE Sea water intrusion

Intrusion (sea water)
USE Sea water intrusion

Invasion 0606
RT Competition
–Environmental effects
–Insects
–Succession
–Vegetation establishment
–Weeds

Inventions 1407
RT Cost savings
Creativity
–Efficiencies
Ideas
Industrial production
Innovation
Labor savings
–Legal aspects
Patents
–Payment

Inversion (temperature)
USE Temperature inversions

Invertebrates 0603.2
BT –Animals
NT Amphipoda
–Annelids
–Aquatic insects
Bloodworms
Brine shrimp
Caddisflies
Clams
–Commercial shellfish
Copepods
Coral
Crabs
Crayfish
–Crustaceans
Daphnia
–Diptera
Dobsonflies
Dragonflies
–Gastropods
–Insects
Isopods
Jelly fish
Lacewings
Lobsters
Mayflies
Midges
Mites
–Mollusks
Mosquitoes
Mussels
Nematodes
–Oligochaetes
Opossum shrimp
Oysters
Pink shrimp
Protozoa
Rotifers
–Shrimp
Sludge worms
Snails
Stoneflies
Teredos
Trematodes
Tubificids
Water beetles
–Waterfleas
–Worms
RT Animal groupings
–Aquatic animals

Inverted drainage wells
USE Drainage wells

Inverted filters 1313.1
UF Reverse filters
BT –Filters
RT –Drains
Piping (erosion)
Sand filters
Seepage control

Inverted siphons
USE Siphons

Inverters 1002
NT Rectifiers
RT –Converters (electrical)
–Electric generators
–Electric motors

Investigations 1314 1402
NT –Field investigations
Foundation investigations
–Geologic investigations
Petrographic investigations
Preliminary investigations
Seismic investigations
Soil investigations
Subsurface investigations
RT Basic research
–Census
Data collections
Design data
Economic justification
–Exploration
–Feasibility
–Field permeability tests
–Field tests
–Planning
Pollutant identification
Project planning
–Research and development
–Sampling
–Surveying
–Surveys
–Tests

Investment 0503
UF Capital investment
RT Capital
Credit
Debt
Economic efficiency
–Economics
–Equipment
Finance
Financial analysis
Financing
Interest (finance)
Participating funds
Principal
–Profit
–Return (monetary)
Royalties

Iodine radioisotopes 1802
BT –Isotopes
–Radioisotopes

Ion adsorption 0701
BT –Adsorption
NT Anion adsorption
Cation adsorption
RT Ion diffusion
–Ion exchange
Ionization
–Ions
–Surface properties

Ion diffusion 0701
BT –Diffusion
–Ion transport
–Transport phenomena
RT –Ion adsorption
–Ion exchange
Ionization
–Ions
–Membrane processes

Ion exchange 0701
BT –Separation
NT Anion exchange
Cation exchange
RT Biological membranes
–Demineralization
Demineralization cells
Desalination processes
–Diffusion
–Ion adsorption
Ion diffusion
Ionization
–Ions
–Ion transport
–Membrane processes
–Membranes
Permselective membranes
–Separation techniques
Tertiary treatment
–Transfer
–Water purification
Water softening
–Water treatment
Zeolites

Ionization 0702 0703
BT –Chemical reactions
RT Chemical potential
Electric coronas
–Electric discharges

Ionization (Con.)
–Ion adsorption
Ion diffusion
–Ion exchange
–Ions
Magnetohydrodynamics
Physical chemistry
Plasma physics

Ions 0704
NT Anions
Cations
Protons
RT Alpha particles
Anion adsorption
Anion exchange
Atoms
Cation adsorption
–Chemical elements
–Chemical reactions
Electrolytes
–Ion adsorption
Ion diffusion
–Ion exchange
Ionization
–Ion transport
Permselective membranes
Plasma physics
Semipermeable membranes

Ion translocation
USE Ion transport

Ion transport 0701
UF Ion translocation
NT Ion diffusion
RT Biological membranes
Circulation (plants)
Desalination processes
–Diffusion
Electrodialysis
Electrolysis
–Ion exchange
–Ions
Leaching
–Movement
Translocation
Transport depletion

Ion uptake
USE Absorption

Iowa 0806
BT –Corn belt
–Geographical regions
–States (geographical)

Ipomea batatas
USE Sweet potatoes

Iron 0702
BT –Chemical elements
–Materials
–Metals
NT Cast iron
Wrought iron
RT Cast steel
Ferrites
–Iron alloys
–Iron bacteria
–Iron compounds
Iron oxides
–Steel

Iron alloys 1106
UF Ferroalloys
BT –Alloys
–Metals
NT Carbon alloys
Carbon steels
Cast iron
Cast steel
Cold-rolled steel
High strength steels
Low alloy steels
Low carbon steel
Molybdenum alloys
Prestressed steel
Stainless steel
–Steel
Structural steel
RT –Iron
–Iron compounds
Wrought iron

Iron bacteria 0613
BT –Bacteria
–Microorganisms
NT Ferrobacillus
Thiobacillus ferrooxidans
RT Acid mine water
–Aerobic bacteria
–Aquatic bacteria
–Aquatic microorganisms
–Iron
–Mine wastes
–Sulfate reducing bacteria

Iron compounds 0702 0703
UF Ferric compounds
Ferrous compounds
BT –Chemical compounds
NT Ferrites
Iron oxides
RT –Iron
–Iron alloys
Laterites
–Pedalfers
Pyrite
Rusting

Iron oxides 0702
BT –Chemical compounds
–Inorganic compounds
–Iron compounds
–Oxides
RT Ferrites
–Iron
Laterites
Oxidation
Rusting

Irradiation 1808
RT Excitation
Exposure
–Genetics
Neutron absorption
–Radiation
Radiation effects
Radiochemical analysis
X-rays

Irrigable areas
USE Irrigable land

Irrigable land 0203.1
UF Irrigable areas
BT –Land
RT Arable land
Irrigation engineering
Land classification
Land reclamation
Land settlement
Water requirements

Irrigated areas
USE Irrigated land

Irrigated land 0203.1
UF Irrigated areas
BT –Land
RT Arable land
Farm management
–Farms
Farm units
–Irrigation
Irrigation districts
Irrigation effects
Irrigation operation & maintenance
–Irrigation practices
Irrigation programs
–Irrigation systems
–Irrigation water
–Water rights

Irrigation 0203.1
NT Border irrigation
Flood irrigation
–Furrow irrigation
–Gravity irrigation
–Irrigation systems
Mist irrigation
Mole irrigation
Sprinkler irrigation
Subsurface irrigation
Supplemental irrigation
–Surface irrigation
Trickle irrigation
RT Agriculture
Arable land
California pipe method
–Canals
Demand (irrigation systems)
Development farms
–Ditches
Equalizing reservoirs
Experimental farms
Farm ponds
Infiltration
Irrigated land
–Irrigation canals
Irrigation design
Irrigation districts
Irrigation ditches
Irrigation effects
Irrigation efficiency
Irrigation engineering
Irrigation operation & maintenance
Irrigation permits
–Irrigation practices
Irrigation programs
–Irrigation systems
–Irrigation water
Irrigation wells
Land development
Land preparation
Land reclamation
–Laterals
Leaching
Miners inch
Multiple purpose projects
Multiple purpose reservoirs
Plastic pipes
–Prior appropriation
Project benefits
Pumping plants
Recirculating irrigation system
–Reclamation
Reimbursable costs
Repayment contracts
River basin development
–Seepage
Soil reclamation
Soil-water relationship
Supplemental water
–Surface waters
Waste water
Waste water (pollution)
Waste water use
Water application rate
Water delivery
Water distribution (applied)
–Water management (applied)
Water permits
–Water policy
Water requirements
–Water resources management
–Water rights
Wetting front

Irrigation canals 1313.1
BT –Canals
–Channels
–Conveyance structures
–Waterways
NT –Laterals
Sublaterals
RT Agriculture
Concrete-lined canals
–Ditches
Drainage systems
–Irrigation
Irrigation design
Irrigation ditches
Irrigation engineering
Land reclamation
Regime theory
–Surface irrigation
Turnouts
Unlined canals
Water conveyance
Water requirements

Irrigation design 0203.1
BT –Design
RT Canal design
Canal linings
–Closed conduit flow
–Closed conduits
Diversion structures
–Irrigation
–Irrigation canals
Irrigation ditches
Irrigation efficiency
Irrigation engineering
–Irrigation practices
Irrigation programs
–Irrigation systems
Open channel flow
–Pipelines
–Pumps

Irrigation districts 0504
RT Farm units
Irrigated land
–Irrigation
Water contracts
Water costs
Water delivery
–Water management (applied)
Water users

Irrigation ditches 0203.1
BT –Ditches
RT –Acequias
–Aquatic weeds
Drainage systems
–Embankments
Furrow systems
–Irrigation
–Irrigation canals
Irrigation design
Irrigation engineering
–Irrigation systems
–Laterals
–Pest control
Turnouts
Water distribution (applied)

Irrigation effects 0203.1
BT –Effects
RT –Agronomic crops
–Alkaline soils
Alkali soils
Crop response
Drainage effects
–Environmental effects
–Evapotranspiration
Fertilization
Frost prevention
Irrigated land
–Irrigation
Irrigation efficiency
Leaching
–Plant growth
Plant physiology
Saline soils
Saturated soils
Soil chemical properties
–Soil properties
Soil-water-plant relationships
Water injury
Waterlogged land
Water spreading

Irrigation efficiency 0203.1
BT –Efficiencies
RT Crop production
Crop response
Demand (irrigation systems)
Duty of water
–Irrigation
Irrigation design
Irrigation effects
Irrigation operation & maintenance
–Irrigation practices
Irrigation programs
–Irrigation systems
–Irrigation water
Soil-water-plant relationships
Water application rate
Water delivery
Water requirements
Wetting front

Irrigation engineering 0203.1
BT –Engineering
RT Agricultural engineering
Bench leveling
Canal design
Channeling
–Conduits
–Ditches
Drainage engineering
–Engineering structures
Farm equipment
–Flumes
–Furrow irrigation
Irrigable land
–Irrigation
–Irrigation canals
Irrigation design
Irrigation ditches
–Irrigation systems
–Land forming
–Pipes
–Pumps
Siphons
Soil conservation
Turnouts
–Venturi flumes
–Water management (applied)
–Water resources management

Irrigation impoundments
USE Farm ponds

Irrigation laws
USE Water rights

Irrigation networks
USE Irrigation systems

Irrigation operation & maintenance 0203.1
BT –Operation and maintenance
RT Application equipment
–Application methods
Farm management
Farm units
Irrigated land
–Irrigation
Irrigation efficiency
–Irrigation practices
–Irrigation systems
–Maintenance
Maintenance costs
Operating costs
–Operations
Water delivery
Water distribution (applied)
–Water management (applied)
–Water resources management
Water users

Irrigation permits 0504.1
BT –Licenses
–Permits
RT Farm units
–Irrigation
–Irrigation water

Irrigation practices 0203.1
NT Supplemental irrigation
RT Adoption of practices
Agronomy
Application equipment
–Artificial recharge
–Cultivation
Demand (irrigation systems)
Diversion
Diversion structures
Duty of water
Farm management
Fertilization
Fertilizers
–Gravity irrigation
Infiltration
Irrigated land
–Irrigation
Irrigation design
Irrigation efficiency
Irrigation operation & maintenance
Irrigation programs
–Irrigation systems
–Irrigation water
–Laterals
Leaching
Pasture management
Range management
Rates of application
Rotation
–Soil management
Soil-water-plant relationships
Sprinkler irrigation
Timing
Water allocation (policy)
Water application rate
Water delivery
Water distribution (applied)
–Water management (applied)
Water pricing
Water requirements
–Water resources management
–Water reuse
Water salvage
Water spreading
Wetting front

Irrigation programs 0203.1
BT –Water policy
RT Drainage systems
Farm units
–Governments
Irrigated land
–Irrigation
Irrigation design
Irrigation efficiency
–Irrigation practices
–Irrigation systems
–Irrigation water
–Policies
Water allocation (policy)
–Water management (applied)
–Water utilization
–Wildlife conservation

Irrigation storage ponds
USE Farm ponds

Irrigation systems 0203.1
UF Irrigation networks
BT –Irrigation
NT Border irrigation
Buried irrigation systems
–Distribution systems
–Furrow irrigation
–Gravity irrigation
Mist irrigation
Recirculating irrigation system
Sprinkler irrigation
Subsurface irrigation
–Surface irrigation
Trickle irrigation
RT Application equipment
–Application methods
Concrete pipes
Dikes
Diversion dams
Drainage systems
Farm equipment
Flexible pipes
Irrigated land
–Irrigation
Irrigation design
Irrigation ditches
Irrigation efficiency
Irrigation engineering
Irrigation operation & maintenance
–Irrigation practices
Irrigation programs
Irrigation wells
–Laterals
–Pipes
–Pumping
Water application rate
Water control
Water distribution (applied)
–Water reuse
Water sources

Irrigation waste water
USE Return flow

Irrigation water 0203.1
BT –Water
–Water types
NT Return flow
RT –Application methods
–Artificial recharge
Artificial use
Beneficial use
Brackish water
Consumptive use (water)
Duty of water
Farm ponds
Infiltration
Irrigated land
–Irrigation
Irrigation efficiency
Irrigation permits
–Irrigation practices
Irrigation programs
Irrigation wells
Percolation
–Prior appropriation
Reasonable use
Reimbursable costs
Repayment contracts
–Reservoir operation
–Reservoirs
Retention dams
–Riparian rights
Salinity
–Seepage
Supplemental water
Surface-groundwater relationships
Water costs
Water demand
–Water loss
–Water policy
–Water quality
–Water reuse
–Water rights
Water salvage
Water sources

Irrigation water requirements
USE Water requirements

Irrigation wells 0203.1 0808.1
BT –Water wells
–Wells
RT Aquifer tests
–Artificial recharge
–Drawdown
–Groundwater
–Irrigation
–Irrigation systems
–Irrigation water
–Pumping

Irrotational flow
USE Potential flow

Islands 0806
BT –Land
–Land forms
NT Hawaii
RT Atolls
–Beaches
Boundaries (property)
–Waves

Isobars 0402
RT Atmospheric pressure
Contours
–Gradients
–Mapping
–Pressure
Weather data

Isohyets 0402
RT Contours
–Mapping
–Rainfall
Weather data

Isolation 1407
RT –Separation
–Separation techniques
Spacing

Isolators (vibration)
USE Vibration damping

Isopods 0603.2
UF Cyathura polita
BT –Animals
–Aquatic animals
–Aquatic life
–Crustaceans
–Invertebrates

Isotherms 2013
RT Air temperature
Contours
–Gradients
–Mapping
–Temperature
Thermographs
Weather data

Isotope chronology
USE Radioactive dating

Isotopes 1802
NT Arsenic radioisotopes
Cadmium radioisotopes
Carbon radioisotopes
Chlorine radioisotopes
Cobalt radioisotopes
Deuterium
Gold radioisotopes
Iodine radioisotopes
Lead radioisotopes
Phosphorus radioisotopes
Plutonium radioisotopes
Potassium radioisotopes
–Radioisotopes
Radium radioisotopes
Sodium radioisotopes
Stable isotopes
Strontium radioisotopes
Thallium radioisotopes
Tritium
Uranium radioisotopes
Zinc radioisotopes
RT Atoms
–Chemical elements
Radioactive dating
Radioactive decay
Radioactive tracers
Radioactive wastes
Radioactivity
–Radiochemistry
–Tracers

Isotopes (radioactive)
USE Radioisotopes

Isotopes (stable)
USE Stable isotopes

Isotropy 0704
BT –Optical properties
–Physical properties
RT Anisotropy
–Magnetic properties
–Mechanical properties
Orientation
Strength of materials
Texture

J

Jacking 1308 1315
RT Boring machines
Crossings
Flat jack method
–Foundations
Hydraulic jacks
Jacking tests
–Jacks (mechanical)
–Pile driving
Pipe laying
–Pipes
Shoring
–Tunnel construction
Tunneling
–Tunnels

Jacking tests 1402
BT –Field tests
–In situ tests
–Tests
RT –Field investigations
Flat jack method
–In situ rock
–Instrumentation
Jacking
Loading tests
Rock competency
Rock foundations
Rock mechanics
Rock properties
Rock tests
Test machines
–Tunnels

Jack pine trees 0206 0603.1
UF Pinus banksiana
BT –Coniferous trees
–Conifers
–Gymnosperms
–Pine trees
–Plants (botany)
–Trees

Jacks (mechanical) 1309
UF Mechanical jacks
NT Hydraulic jacks
RT Flat jack method
–Foundations
Hand tools
Jacking
Posttensioning
Prestressed concrete
–Prestressing
Shoring

Jacks (structural shape) 1302
UF Kelner jacks
Structural shape jacks
RT Channel improvements
Channel protection
Deposition
Gabions
Groins (structures)
Hydraulic engineering
River training
Stable channels
Structural shapes

Jelly fish 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Invertebrates

Jelly fish (Con.)
–Marine animals

Jet diffusion 2004
BT –Chemical properties
–Diffusion
–Transport phenomena
RT Aerodynamics
Chute blocks
Dentated sills
Diffusers
Energy dissipators
–Fluid flow
–Hydraulic gates
–Hydraulic valves
Jets
Mixing
Nozzles
Spraying
Stilling basins
Submerged flow
Vortices

Jet pumps 1311
BT –Hydraulic machinery
–Machines
–Pumps
RT Ejectors
–Equipment
Jets

Jets 2004
RT Aerodynamics
–Diffusion
–Equipment
–Flow
–Fluid flow
High velocity
Hydraulic mining
Hydrostatic pressure
Impulse turbines
Jet diffusion
Jet pumps
Jetting
Nozzles
–Orifices
Pressure head
–Pumps
Rotational flow
Vena contracta
Wakes

Jetsam 0803
BT –Aquatic drift
RT Flotsam
Law of the sea
–Ships

Jet streams (meteorology) 0402
BT –Wind (meteorology)
RT Air currents

Jetties 1313.1
BT –Coastal structures
RT Bulkhead line
–Concrete structures
Control structures
Dikes
–Docks
Harbors
–Hydraulic structures
Inlets (waterways)
–Piers
Rubble mounds
Sea walls
Shore protection
Tidal powerplants

Jetting 1315
RT –Drilling
Hydraulic excavation
Jets
–Penetration
–Pile driving
Wellpoints

Jet valves
USE Needle valves

Jigs 1309
RT Mechanical equipment

Job analysis 0509
RT –Efficiencies
–Evaluation
Human engineering
–Management
Performance
Performance rating
Personnel management
Responsibilities

Job possibilities
USE Employment opportunities

Johnsongrass 0603.1
UF Sorghum halepense
BT –Grasses
–Monocots
–Plants (botany)
RT Riparian plants
Sorghum
–Weeds

Joint costs 1401
BT –Costs
RT Construction costs
Electric power costs
Separable costs

Joint fillers 1101
BT –Fillers
RT Caulking compounds
Circumferential joints
Concrete linings
–Construction joints
Contraction joints
Dry pack mortar
Expansion joints
Horizontal joints
–Joints (connections)
Longitudinal joints
Mastics
–Sealants
Sealing compounds
–Seals (stoppers)
Transverse joints
Vertical joints
Water seals
Water stops

Joints (connections) 1305
NT Bolted joints
Butt joints
Circumferential joints
–Construction joints
Contraction joints
Expansion joints
Horizontal joints
Lap joints
Longitudinal joints
Pin connected joints
Pipe joints
Riveted joints
Tapered joints
Transverse joints
Universal joints
Vertical joints
Welded joints
RT Abutments
–Bolts
Bonding
Brazing
–Closures
Collars
Compression fittings
Concrete linings
Connectors (mechanical)
–Couplings
Dowels
–Fasteners
Fillet welds
–Fittings
Fixed structures
Flanges
Gusset plates
Hinges
Joint fillers
Junctions
Nails
–Pins (mechanical)
–Pipes
Rigid frames
Riveting
Screws
Soldering
Spacers
Spot welding
–Structural members
–Trusses
–Welds

Joints (construction)
USE Construction joints

Joints (flexible)
USE Flexible couplings

Joints (geology) 0807
BT –Fissures (geology)
–Geologic structures
RT –Cracks
Discontinuities
Faults (geology)
Folds (geology)
–Fractures
Fractures (geology)
Horizontal joints
Ripping
Structural geology
Tunneling
Unlined tunnels
–Water loss

Joints (pin connected)
USE Pin connected joints

Journal bearings 1309
BT –Bearings
RT –Alloys
Bearing pressure
Bronzes
Bushings
–Friction
–Loads (forces)
Lubricants
Power transmission (mechanical)
Roller bearings
–Shafts (machinery)
–Supports

Judgment
USE Reasoning

Judicial decisions 0504.1
UF Appeals
Court decisions
RT –Legal aspects
Litigation
Torts
–Water law

Junctions 1407
RT Bifurcations
–Boundaries (surfaces)
–Joints (connections)
Manholes
–Open channels
Resistance networks
Tributaries
Trifurcations

Juniper trees 0603.1
UF Juniperus species
BT –Coniferous trees
–Conifers
–Gymnosperms
–Plants (botany)
–Trees
RT Coniferous forests

Juniperus species
USE Juniper trees

Jurisdiction 0504.1
NT Federal jurisdiction
State jurisdiction
RT Federal-state water rights conflicts
–Legal aspects
Litigation
Political aspects
Reservation doctrine
–Water rights

Juvenile fishes 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Wildlife
NT Fry
RT Immature growth stage
Juvenile growth stage

Juvenile growth stage 0603.2
BT –Growth stages
RT Fry
Immature growth stage
–Juvenile fishes

Juvenile water 0807
UF Magmatic water
BT –Subsurface waters
–Water
–Water types
RT Connate water
Geysers
–Hot springs
Magma
–Meteoric water
Volcanoes
Water sources

K

Kansas 0806
BT –Geographical regions
–States (geographical)
RT Reclamation states

Kaolin 0807
BT –Clays
–Earth materials
–Finegrained soils
–Materials
–Soils
RT –Ceramic materials
–Clay minerals
Kaolinite

Kaolinite 0807
BT –Clay minerals
–Minerals
–Silicates
RT –Clays
Illite
Kaolin
–Montmorillonite

Kaplan turbines 1307.1
BT –Hydraulic machinery
–Hydraulic turbines
–Turbines
RT Draft tubes
Francis turbines
Low head
Pelton turbines
Penstocks
Spiral cases
Stay rings
Stay vanes

Karst 0807
BT –Land forms
RT –Carbonate rocks
Caves
Drainage effects
Geomorphology
–Groundwater
Groundwater depletion
–Limestone
–Runoff
Sinkholes
Sinks
Soluble rocks
–Subsurface drainage
Underground openings
Underground streams

Kelner jacks
USE Jacks (structural shape)

Kentucky 0806
BT –Geographical regions
–States (geographical)

Kentucky bluegrass 0603.1
UF Poa pratensis
BT –Bluegrasses
–Crops
–Grasses
–Monocots
–Plants (botany)
RT –Forage grasses
Hay
Merion bluegrass
–Turf grasses

Keyways 1309 1313
RT –Construction joints
Contraction joints
Dowels
Expansion joints
Grooves
Horizontal joints
Longitudinal joints
–Masonry

Keyways (Con.)
Power transmission (mechanical)
–Shafts (machinery)
Slabs
Transverse joints

Keywords 0502
RT Abstracts
Descriptors
–Documentation
Indexes (documentation)
–Indexing
Information retrieval
Information science
Information systems
–Subject indexing
Thesaurus

Killifishes 0603.2
UF Crenichthys species
Cyprinodon species
Empetrichthys species
Fundulus species
Topminnows
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Wildlife
RT –Freshwater fish
Minnows

Kilns 1301
BT –Furnaces
RT Dryers
–Drying
Ovens

Kinetic energy 2011
BT –Energy
RT –Energy transfer
–Kinetics
Mass
–Mechanics
Momentum
Motion
Potential energy
–Velocity
–Weight

Kinetics 2011
NT Pesticide kinetics
RT –Dynamics
–Energy
–Engineering mechanics
–Flow
–Fluid dynamics
–Friction
Kinetic energy
–Mechanical properties
–Mechanics
Momentum transfer
–Movement
–Physical properties
Thermogalvanic cells
–Transfer
–Velocity

Korean lespedeza
USE Lespedeza

Kremastic water
USE Vadose water

Kutter formula 2004
BT –Equations
–Formulas
RT Canal design
Channel design
Chezy equation
–Discharge (water)
Discharge coefficients
Discharge measurement
–Flow
Flow measurement
Flow resistance
–Fluid flow
Fluid friction
Friction coefficient (hydraulic)
Head losses
Hydraulic gradient
Hydraulic radius
Mannings equation
Open channel flow
Roughness (hydraulic)
Roughness coefficient
Uniform flow

L

Labels 1304
RT –Indicators
Paper
Pulp and paper industry
–Tracers

Labor 0509
RT Employee relations
–Employment
–Engineering personnel
Labor mobility
Labor supply
Labor unions
Leadership
Manpower
Occupations
–Personnel
Plant efficiencies
Scientific personnel
Wages
Work

Laboratories 1402
BT –Facilities
–Test facilities
NT Field laboratories
Hydraulic laboratories
Mobile laboratories
RT –Industrial plants
Laboratory equipment
Laboratory tests
–Materials tests
–Research and development
Research facilities
Scientific personnel
–Tests

Laboratory animals 0603.2
BT –Animals
RT Animal groupings
–Animal physiology
Bioassay
Mammal groupings
–Rodents
–Small animals (mammals)

Laboratory equipment 1402
BT –Equipment
RT –Acoustic equipment
Calorimeters
–Cameras
Centrifuges
–Computers
–Densimeters
Dynamometers
–Electrical equipment
–Electronic equipment
Field laboratories
–Furnaces
–Gages
Hydrometers
–Instrumentation
–Laboratories
Laboratory tests
–Measuring instruments
–Meters
Microscopes
–Mixers
–Models
–Optical instruments
Ovens
–Pressure measuring instruments
Pressure sensors
–Probes (instruments)
–Pumps
–Research and development
–Sensors
Spectrometers
Tensiometers
–Test equipment
–Test facilities
Test machines
Turbidimeters
–Vacuum apparatus
Wheatstone bridge
Wind tunnels

Laboratory tests 1402
BT –Tests
RT Accelerated tests
Acceptance tests
–Analytical techniques
–Assay
Compaction tests
–Compression tests
Concrete tests
Destructive tests
Drained shear tests
Errors
Experimental data
Fatigue tests
Field laboratories
–Field tests
Filter tests
Foreign tests
Freeze-thaw tests
Friction tests
Impact tests
Index tests
–Inspection
–Laboratories
Laboratory equipment
–Materials tests
–Mechanical analysis
Model tests
–Nondestructive tests
Preparation
–Quality control
–Research and development
–Shear tests
Shock tests
Sieve analysis
–Similitude
Soil analysis
–Soil tests
Static tests
–Test equipment
Test procedures
Test results
Test specimens
Torsion shear tests
Triaxial tests
Turbidimeters
Vane shear tests
Vibration tables
Vibration tests
Water analysis
Wetting and drying tests

Labor costs 1401
BT –Costs
RT Administrative costs
Compensation
Construction costs
Contingency costs
Direct costs
Engineers estimates
Equipment costs
Estimated costs
Indirect costs
Installation costs
Labor supply
Overhead costs
–Payment
–Personnel
Personnel management
Salaries
Total costs
Unit costs
Wages

Labor mobility 0509
UF Migrant labor
RT –Employment
Labor
Labor supply
Manpower
–Migration
Occupations
Social mobility
Working conditions

Labor relations
USE Employee relations

Labor savings 1401
RT –Cost analysis
–Costs
Cost savings
Cost sharing
Economic efficiency
–Economics
–Economies
–Efficiencies
Innovation
Inventions
Mechanization
–Productivity
–Profit
Value engineering

Labor supply 0509
BT –Supply
RT Area redevelopment
–Economics
–Efficiencies
Employment opportunities
Human resources
Labor
Labor costs
Labor mobility
Manpower
Occupations
–Personnel
Resource allocation
Wages

Labor unions 0509
BT –Organizations
RT –Benefits
Compensation
–Economics
–Employment
Industrial relations
–Insurance
Labor
–Legal aspects
Litigation
Organizing
Personnel management
–Social aspects
Trade associations
–Training
Wages
Working conditions

Lacewings 0603.2
UF Neuroptera
BT –Animals
–Insects
–Invertebrates
RT –Aquatic insects

Lacquers 1103
BT –Building materials
–Coatings
–Construction materials
–Finishes
RT Enamels
Metal coatings
Painting
–Paints
Primers (coatings)
–Protective coatings
–Resins
Varnishes

Lactobacillus 0613
BT –Aerobic bacteria
–Bacteria
–Microorganisms
–Plants (botany)
RT –Enteric bacteria
Thermophilic bacteria

Lacustrine clays
USE Lacustrine deposits

Lacustrine deposits 0807
UF Clays (lacustrine)
Deposits (lacustrine)
Lacustrine clays
Lacustrine silts
BT –Earth materials
–Land forms
–Materials
–Sediments
–Soils
RT –Clays
Deposition
–Fluvial morphology
Lake basins
Lake beds
Lake morphology
–Lakes
Lake soils
Marine clays
Organic clays
–Organic soils
Peat
Peat bog
Playa lakes
Playas
–Sedimentation
Varves

Lacustrine silts
USE Lacustrine deposits

Ladders 1303
RT –Construction equipment
Scaffolds
Stairs

Ladino clover 0204 0603.1
BT –Agronomic crops
–Clovers
–Crops
–Dicots
–Field crops
–Forage legumes
–Forages
–Horticultural crops
–Legumes
–Plants (botany)

Lagged benefits 0501 0503
BT –Benefits
RT Deferred benefits

Lagging 1303
RT Absorbers
Cushioning
–Damping
–Insulation
–Mines
Shoring
Timbers
–Tunnel construction
Tunnel linings
–Tunnels
Tunnel supports
Vermiculite

Lag methods
USE Flood routing

Lagooning
USE Waste storage

Lagoons (landforms) 0808
RT –Basins
–Beaches
–Channels
Inlets (waterways)
–Lakes
Oceans
Shallow water
–Shores

Lagoons (ponds) 1302.1 1302.6
BT –Land forms
NT Oxidation lagoons
Sewage lagoons
RT –Evaporation
–Reservoirs
–Sewage treatment
–Sewage works
Sludge disposal
–Waste disposal
–Water
Water supply

Lag time
USE Time lag

Laitance 1303.1
UF Laitants
RT Bleeding (concrete)
Concrete finishing
Concrete mixes
–Concrete technology
–Consolidation
Fine aggregates
–Fines
Vibratory compaction

Laitants
USE Laitance

Lake basins 0808
BT –Basins
RT Lacustrine deposits
Lake beds
Lake morphology
Lake morphometry
–Lakes
Playa lakes
–Watersheds (basins)

Lake beds 0808
BT –Beds
RT Beds under water
Dry beds
Lacustrine deposits
Lake basins
Lake bottom springs
Lake morphology
–Lakes
Playa lakes
Playas
–Sediment deposits
–Sediments

Lake bottom springs 0808.1
BT –Running waters
–Springs (water)
RT Artesian aquifers
–Hot springs
Lake beds
–Lakes

Lake breezes 0402
BT –Wind (meteorology)
RT Diurnal
Land breezes
–Meteoric water
Sea breezes

Lake fisheries 0603.2
BT –Fisheries
RT Bait fishing
–Cold-water fish
–Freshwater fish
Ice fishing
Reservation doctrine
Reservoir fisheries
Sport fish
Sport fishing
Warm-water fish

Lake herring
USE Cisco

Lake ice 0812
BT –Ice
RT Floating ice
Ice cover
Iced lakes
Ice fishing
Ice skating
Ice-water interfaces
–Lakes

Lake morphology 0807
BT –Morphology
RT –Beaches
Glaciation
Lacustrine deposits
Lake basins
Lake beds
–Lakes
Lake shores
Playa lakes
Playas
–Shape

Lake morphometry 0808
RT Areal
Bathymetry
–Dimensions
Hydrography
Lake basins
–Lakes
Lake shores
–Measurement
–Slopes
Sounding
Volume

Lakes 0808
(includes the body of water and the containing basin)
BT –Bodies of water
–Land forms
–Standing waters
–Surface waters
–Water
NT Detention reservoirs
Farm ponds
Great ponds
Playa lakes
–Ponds
Sagponds
Saline lakes
Strip mine lakes
RT Bayous
–Bogs
Boundaries (property)
Calefaction
Closed basins
Density stratification
Depression
Epilimnion
Equalizing reservoirs
–Fresh water
Groundwater hydrology
Hypolimnion
–Impoundments
Lacustrine deposits
Lagoons (landforms)
Lake basins
Lake beds
Lake bottom springs
Lake ice
Lake morphology
Lake morphometry
Lake shores
–Lake stages
–Limnology
Meromixis
Multiple purpose reservoirs
–Navigable waters
Playas
Profundal zone
Reservoir construction
–Reservoirs
Sedimentary basins (geological)
–Stratification
Stream channels
–Swamps
Thermocline
Turnovers
–Water
–Water resources
Water surface
–Waterways

Lake shores 0806
BT –Land forms
–Shores
RT Beach erosion
–Beaches
Beach sands
Lake morphology
Lake morphometry
–Lakes

Lake soils 0807
BT –Earth materials
–Materials
–Soils
–Soil types
RT –Clays
Lacustrine deposits
Mud-water interfaces
Playas
–Sediment deposits
Sediment-water interfaces
–Silts

Lake stages 0808
UF Lake succession
Pond succession
Stages (lake)
BT –Ecosystems
–Succession
NT Emerging vegetation stage
Pioneer stage
Submerged vegetation stage
Temporary pond stage
RT –Climax
Fen
–Lakes
–Marshes
–Ponds
–Reservoir stages
–Swamps

Lake succession
USE Lake stages

Lake trout 0603.2
UF Salvelinus namaycush
BT –Animals
–Aquatic animals
–Aquatic life
–Cold-water fish
–Fish
–Freshwater fish
–Pan fish
–Salmonids
–Trout
–Wildlife

Laminar boundary layers 2004
BT –Boundary layer
RT Boundary shear
–Fluid flow
–Fluid mechanics
Thermal gradient
Turbulent boundary layers

Laminar flow 2004
UF Streamline flow
BT –Flow
–Fluid flow
–Movement
RT Aerodynamics
–Critical flow
Darcys law
Flow distribution
Flow nets
Flow patterns
Fluid friction
Friction coefficient (hydraulic)
Groundwater flow
Open channel flow
Orifice flow
Pipe flow
Reverse osmosis
Reynolds number
–Seepage
Steady flow
Subcritical flow
Transient flow
Transition flow
–Transport phenomena
Turbulent flow
Two-phase flow
Uniform flow
–Unsteady flow
Viscosity
Viscous flow
Wave suppressors

Laminar-turbulent flow
USE Transition flow

Laminated glass 1102
BT –Building materials
–Composite materials
–Glass
–Laminates
RT Glass reinforced plastics

Laminated plastics 1104
BT –Building materials
–Composite materials
–Laminates
RT –Plastics
Reinforced plastic pipe
–Reinforced plastics

Laminated wood 1104
BT –Building materials
–Composite materials
–Laminates
–Materials
–Wood
NT Plywoods
RT Hybrid beams
Lumber
–Wooden structures

Laminates 1104
BT –Building materials
–Composite materials
NT Laminated glass
Laminated plastics
–Laminated wood
Plywoods
RT Adhesion
Bonding
Cladding
–Coatings
Composite beams
Hybrid beams
Paper
Plating
–Reinforced plastics
Sandwiching
Sheets
Substrates
Varves

Lampreys 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Freshwater fish
–Wildlife
NT Ammocetes
RT Eels
Fish parasites
–Marine fish
Rough fish

Land 0503 0806
NT Arable land
Arid lands
Deserts
–Grasslands
Grazing land

Land (Con.)
Irrigable land
Irrigated land
–Islands
–Public land
Semiarid land
Withdrawn lands
RT Agriculture
Capital
Land acquisition
Land classification
Land development
–Land forming
–Land forms
–Land management
Land ownership
Land reclamation
Land settlement
Land subsidence
Land tenure
Land use
–Natural resources
Pasture
Real property
Right-of-way
Soil conservation
–Soils
Surface drainage
Terrain

Land acquisition 0501
UF Acquisition (land)
RT Boundaries (property)
Cadastral surveys
–Easements
Eminent domain
–Land
Land appraisal
Land ownership
Land tenure
–Legal aspects
Negotiations
Property values
Real property
Right-of-way

Land appraisal 0503
BT –Appraisals
–Evaluation
RT Assessments
–Cost analysis
–Demand
Eminent domain
Estimating
Land acquisition
Land classification
Land ownership
Land tenure
Land use
–Pricing
–Rates
Right-of-way
–Value

Land breezes 0402
BT –Wind (meteorology)
RT Diurnal
–Hot winds
Lake breezes
Sea breezes

Land classification 0204
BT –Classifications
RT Agriculture
A horizon
Arable land
B horizon
C horizon
Irrigable land
–Land
Land appraisal
Land development
–Land management
Land reclamation
Land use
–Soil horizons
Soil investigations

Land clearing 0203
BT –Clearing
RT Brush control
Clear-cutting
Land development
–Land forming
–Land management
Land preparation
Land reclamation
Landscaping
Land settlement

Land conservation
USE Soil conservation

Land development 1302
BT –Resource development
RT Agriculture
Cadastral surveys
Demonstration farms
Development farms
Economic growth
Experimental farms
–Irrigation
–Land
Land classification
Land clearing
–Land forming
–Land management
Land ownership
Land preparation
Land reclamation
Land resources
Land settlement
Land use
Reforestation
Semiarid land
Soil conservation
–Surface irrigation
Water requirements

Land drainage
USE Surface drainage

Land erosion
USE Soil erosion

Landfills 1302.1
UF Sanitary fill
BT –Fills
RT Backfills
–Compaction
–Disposal
–Earthworks
–Environmental engineering
Environmental sanitation
Garbage dumps
Hydraulic mine-filling
Land preparation
Land reclamation
Public health
Rolled fills
Sanitary engineering
–Waste disposal

Land forming 0203
UF Land shaping
NT Bench leveling
Terracing
RT Agricultural engineering
Contour farming
Contours
–Drainage
–Earthfill
–Earth handling equipment
Flood control
Furrow drainage
Geomorphology
Graded
Grassed waterways
Irrigation engineering
–Land
Land clearing
Land development
–Land management
Landscaping
Water conservation

Land forms 0806 0807
NT –Alluvial deposits
Alluvial streams
Arroyos
Atolls
–Basins
Bayous
Bays (topographic features)
–Beaches
–Bogs
Canyons
Caves
Cirques
Coastal marshes
–Coastal plains
Coasts
–Continental margin
Continental shelf
Continental slope
Deltas
Drainage basins
Dunes
Effluent streams
Ephemeral streams
Estuaries
Fjords
Freshwater marshes
Gulfs
Gullies
Inlets (waterways)
Intermittent streams
Interstate rivers
–Islands
Karst
Lacustrine deposits
–Lagoons (ponds)
–Lakes
Lake shores
–Marshes
Moraines
Mountains
Mud flats
Natural streams
Navigable rivers
Ocean beaches
Oceans
Peat bog
Perennial streams
Playas
–Ponds
Ravines
Reefs
River basins
River beds
–Rivers
Saline lakes
Sand bars
Sand spits
–Seashores
–Shores
Sinkholes
–Streambeds
Stream valley
–Swamps
Terrace deposits
Terraces
Terraces (geological)
Tidal marshes
–Valleys
Volcanoes
Wild rivers
RT –Erosion
–Fluvial morphology
–Geography
–Geologic deposits
–Geologic structures
Geomorphology
–Glacial deposits
Glacial soils
Glaciation
–Land
–Morphology
Orography
Playa lakes
Sedimentary basins (geological)
–Slopes
Stream drainage patterns
Stream meandering
Terrain
Topography
–Waterways

Landing fields
USE Airports

Land leveling
USE Land preparation

Landlocked salmon
USE Atlantic salmon

Land management 0203 0501
UF Land treatment
BT –Management
NT Chiselling
Contour farming
–Cultivation
Deep tillage
Fallowing
Strip cropping
Stubble mulching
Vertical mulching
RT Agricultural engineering
–Civil engineering
–Conservation
Cultivated lands
Demonstration watersheds
Development farms
–Drainage
–Erosion
–Erosion control
Experimental farms
Farm management
–Land
Land classification
Land clearing
Land development
–Land forming
Land reclamation
Landscaping
Land use
Reforestation
–Resource conservation
Road construction
–Soil management
Terraces
Terracing
–Vegetation establishment
–Water management (applied)
Watershed management

Land ownership 0504.1
UF Land titles
Ownership (land)
RT Cadastral surveys
–Land
Land acquisition
Land appraisal
Land development
Land tenure
Land use
–Legal aspects
Real property
Right-of-way

Land preparation 0203
UF Land leveling
RT Agriculture
–Drainage
Grading (earthwork)
–Irrigation
Land clearing
Land development
Landfills
Land reclamation
Landscaping
Plowing
Scarifiers
Soil conservation
–Surface irrigation

Land reclamation 1302
UF Reclamation (soil)
BT –Reclamation
RT Agricultural engineering
Agriculture
–Alkaline soils
Arable land
Arid lands
–Conservation
–Drainage
Drainage costs
Drainage practices
Irrigable land
–Irrigation
–Irrigation canals
–Land
Land classification
Land clearing
Land development
Landfills
–Land management
Land preparation
Land settlement
Leaching
–Marshes
–Resource conservation
Saline soils
Salt removal
Semiarid land
Soil conservation
Soil erosion
Soil investigations
–Soil management
Soil reclamation
–Swamps

Land resources 0503
BT –Natural resources
–Resources
RT –Conservation
–Economics
–Forests
Land development
Land use
–Minerals
–Resource conservation
Vegetation
–Water resources
–Wildlife

Landscaping 1302
RT Aesthetics
Architects
Architecture
–Beautification
–Earthworks
Golf courses
Highway beautification
–Highways
Land clearing
–Land forming
–Land management
Land preparation
Lawns
–Ornamentals
–Parks
Playgrounds
–Recreation facilities
–Roads
Scenery
–Shrubs
Soil conservation
Terraces
Terracing
–Trees
Turf
–Turf grasses
–Vegetation establishment

Land settlement 1314
(establishment of residents)
RT Demonstration farms
Development farms
Irrigable land
–Land
Land clearing
Land development
Land reclamation
Project planning

Land shaping
USE Land forming

Landslides 0807
BT –Earth movements
–Mass wasting
NT Debris avalanches
Rockslides
RT Angle of repose
–Avalanches
–Colluvium
Critical slopes
Differential displacements
Disasters
–Earth materials
Earthquake damage
–Earthquakes
Mudflows
Rockfalls
Rock glaciers
Rock mechanics
Rock noise
Rock slope stability
Sliding
Slipping
Slip planes
Slip surface
–Slopes
–Slope stability
Soil erosion
Soil mechanics
Soil stability
–Stability analysis

Land subsidence 0813
BT –Subsidence
RT Caves
Coal mines
–Consolidation
Deep subsidence
–Deformation
–Drawdown
–Earth movements
–Earthquakes
Embankment subsidence
Geomorphology
–Groundwater
Groundwater depletion
Groundwater mining
–Land
Loess
–Mines
Oil wells
Ponding
–Pumping
Sagponds
–Settlement (structural)
Shallow subsidence
Sinkholes
Sinks
Structural geology
–Water wells
–Wells

Land tenure 0504.1
RT –Economics
–Land
Land acquisition
Land appraisal
Land ownership
Land use
–Legal aspects
Litigation
Real property
–Water rights

Land titles
USE Land ownership

Land treatment
USE Land management

Land use 1302
RT Catch crops
Crop production
Farm management
–Forests
–Industries
–Land
Land appraisal
Land classification
Land development
–Land management
Land ownership
Land resources
Land tenure
–Natural resources
Non-structural alternatives
–Parks
Political aspects
Ranges
–Recreation
Rural areas
Small watersheds
Topography
Urbanization
–Watersheds (basins)
–Zoning

Languages 0507
NT Programming languages
RT Coding
Communication
Dictionaries
Machine translating
–Morphology
Nomenclatures
Semantics
Symbols
–Translating

Lap joints 1305
BT –Joints (connections)
RT Bolted joints
–Fasteners
Pipe joints
Riveted joints
–Structural design
Welded joints
–Welds

Laplace equation 1201
BT –Differential equations
–Equations
RT Dupuit-Forchheimer theory
Groundwater movement
–Mathematical analysis
Permeability
Porous media

Largemouth bass
USE Bass

Large structures 1313.5
UF Major structures
BT –Structures
RT –Bridges (structures)
–Canals
–Dams
–Outlet works
Penstocks
–Powerplants
Pumping plants
Small structures
–Spillways

Large watersheds 0808
BT –Watersheds (basins)
RT –Channel flow
–Drainage
Flood control
Flood forecasting
–Hydrology
–Precipitation (atmospheric)
–Rainfall
River basins
–Rivers
–Runoff
–Streamflow
Surface runoff
–Surface waters
–Valleys
Water conservation
–Water storage
–Water table
–Waterways

Larvae 0603.2
BT –Animals
–Growth stages
NT Ammocetes
RT –Aquatic insects
–Fish
Insect eggs
–Insects
Larval growth stage
–Life cycles
Life expectancy
Mosquitoes
–Worms

Larval growth stage 0603.2
BT –Growth stages
RT Immature growth stage
–Larvae

Larvicides 0606
BT –Chemicals
–Pesticides
–Poisons
RT Insect control
–Insecticides

L.A.S.
USE Linear alkylate sulfonates

Lasers 2005
RT –Light
–Luminescence
Masers
–Surveying

Late impoundment 0808
BT –Post-impoundment
–Reservoir stages
RT –Impoundments

Latent heat 0704
BT –Chemical properties
–Energy
–Heat
–Thermal properties
RT Calorimeters
–Evaporation
Fusion
Melting
Solidification
Sublimation
Thermal capacity
–Vaporization

Lateral forces 2011
UF Forces (lateral)
Lateral pressures
NT Pile lateral loads
RT Active pressure
At rest pressure
Confining pressure
–Earth pressure
Earthquake loads
External forces
Horizontal loads
Load distribution
–Loads (forces)
Passive pressure
–Retaining walls
Wind pressure

Lateral pressures
USE Lateral forces

Laterals 0203.1 1313.1
BT –Canals
–Channels
–Conduits
–Conveyance structures
–Hydraulic structures
–Irrigation canals
–Pipelines
–Structures
NT Sublaterals
RT –Branches
–Distribution systems
–Ditches
Drainage systems
–Drains
–Engineering structures
–Irrigation
Irrigation ditches
–Irrigation practices
–Irrigation systems
Unlined canals
Water distribution (applied)

Laterites 0807
BT –Earth materials
–Materials
–Pedalfers
–Soil groups
–Soils
–Soil types
RT Humid areas
–Iron compounds
Iron oxides
Subtropic
Tropic
Tropical regions
Weathering

Lathes 1309
BT –Machine tools
RT Boring machines
–Cutting
–Grinders
Machining

Latitudinal studies 0606
RT Ecological distribution
–Ecology
–Ecosystems
–Ecotypes

Lava 0807
BT –Igneous rocks
–Rocks
–Volcanic rocks
RT Andesite
Basalt
Cinders
Magma
Pumice
Rhyolite
Volcanoes

Lawns 0204
RT –Cutting management
Golf courses
Landscaping
–Parks
Sprinkler irrigation
Turf
–Turf grasses
Urbanization
–Water utilization

Law of the sea 0504.1
BT –International law
–Legal aspects
–Water law
RT Admiralty
Flotsam
International compacts
Jetsam
Litigation
Navigation
Oceans

Laws 0504.1
UF Legal
RT –Administration
Building codes
–Governments
–Legal aspects
Local governments
–Permits
–Planning
–Policies
–Prior appropriation
–Regulations
–Riparian rights
Torts
–Water law
Water resources development
Well regulations

Layering
USE Stratification

Leaching 0701
UF Soil leaching
BT –Separation techniques
RT Autoclaves
–Beneficiation
Cesspools
–Drainage
–Extraction
Fertilizers
Foliar
–Groundwater
Groundwater recharge
Horizontal drains
Infiltration
–Ion transport
–Irrigation
Irrigation effects
–Irrigation practices
Land reclamation
–Movement
–Nitrates
–Nutrients
Path of pollutants
Percolation
Permeability
Persistence
Pesticide kinetics
Ponding tests
–Runoff
–Saline water intrusion
Salt balance
Salt removal
–Soil management
Soil reclamation
–Soil water
Solubility
Soluble salts
Solvent extractions
–Solvents
–Subsurface drainage
Tile drains
–Water quality
Weathering

Lead (element) 0702
BT –Chemical elements
–Heavy metals
–Metals
RT Lead alloys
Lead compounds
Lead radioisotopes
Superconductors

Lead alloys 1106
BT –Alloys
–Metals
RT –Heavy metals
Lead (element)

Lead compounds 0702 0703
BT –Chemical compounds
RT Lead (element)

Leadership 0501
RT Abilities
–Administration
Applied psychology
Careers
Executives
Labor
–Management
Management training
Morale
–Organizations
Personnel management
–Productivity
Professional advancement
–Psychology
Supervision
–Training

Lead radioisotopes 1802
BT –Isotopes
–Radioisotopes
RT –Heavy metals
Lead (element)

Leakage 1407
NT Reservoir leakage
RT Asphalt membranes
Autogenous healing
Buried membranes
Canal seepage
Cavities
Circumferential joints
Cutoffs
–Flow
Flow nets
Gaskets
Grout curtains
–Grouting
Grout stops
Head losses
Impervious blankets
Impervious linings
Impervious membranes
Infiltration
Inflow
–Linings
–Losses
–Penetration
Percolation tests
Permeability
Pipe tests
Piping (erosion)
Ponding tests
Porosity
–Sealants
–Seepage
Seepage losses
Sinkholes
Underseepage
–Wastes
–Water loss
Water seals
Watertight

Leakage current 2003
BT –Electric current
RT –Electrical insulators
–Electric discharges
Flashover

Lean clays
USE Clays

Learning 0509 0510
RT Abilities
–Education
–Environments
Human behavior
Human engineering
–Instruction
Management training
Memory
Motivation
Problem solving
Programmed instruction
Psychological aspects
Reasoning
–Schools (education)
–Training
Universities
Visual aids

Leases 0504.1
RT –Agreements
–Contracts
Exploitation
Patents
–Regulations
Rental equipment
Renting

Least squares method 1201
BT –Mathematical studies
–Methodology
RT Correlation
Correlation analysis
Correlation techniques
Curve fitting
Errors
–Mathematical analysis
Multiple regression
–Numerical analysis
Optimization
–Quality control
–Regression analysis
–Statistical analysis
Statistics

Leaves 0603.1
RT Canopy
Epidermis
Foliar
Humus
–Plants (botany)
Stomata

Legal
USE Laws

Legal aspects 0504.1
NT –International law
Law of the sea
Natural flow doctrine
Public rights
RT –Administration
Admiralty
–Agreements
Boundaries (property)
Boundary disputes
Building codes
Change orders
Competing uses
Competitive bidding
Condemnation
–Contract administration
Contracting
Contracting officers
–Contracts
–Easements
–Economics
Eminent domain
Equitable apportionment
Federal government
–Governments
–Insurance
Inventions
Judicial decisions
–Jurisdiction
Labor unions
Land acquisition
Land ownership
Land tenure
Laws
Legislation
–Licenses
Litigation
Local governments
Negotiations
Non-structural alternatives
Patents
–Permits
Personal property
Political constraints
–Prior appropriation
–Procedures
Project planning
Public health
Regulated flow
–Regulations
–Riparian rights
Risks
Supply contracts
Third party effects
Torts
Water allocation (policy)
–Water law
Water quality standards
–Water rights
Water transfer
–Weather modification
Well permits
Well regulations

Legislation 0504.1
RT –Administration
Building codes
–Governments
–Legal aspects
–Licenses
Litigation
–Permits
–Planning
–Policies
Political science
–Prior appropriation
–Regulations
–Riparian rights
–Water law
Water quality standards
Water resources development
–Water rights
Well regulations

Legumes 0204 0603.1
BT –Crops
–Dicots
–Horticultural crops
–Plants (botany)
NT Alfalfa
Alsike clover
Beans
–Clovers
Crimson clover
–Forage legumes
Ladino clover
Lespedeza
Peanuts
Red clover
Soybeans
Vetch
White clover
RT Forage mixtures
Hay
Pasture
Plant groupings

Lemons 0204 0603.1
UF Citrus limonia
BT –Citrus fruits
–Crops
–Dicots
–Fruit crops
–Horticultural crops
–Plants (botany)
–Stone fruits
RT Orchards
–Trees

Length 1407
BT –Dimensions
RT Distance
Height
–Measurement
Reaches (distance)
Slenderness ratio
Spans
Thickness
Thinness
Width

Lenses (optical) 2006
UF Optical lenses
RT –Cameras
Distortion (optics)
Goggles
Microscopes
–Optical instruments
Optics
–Photographic equipment
–Refraction

Lenses (soils) 0807
RT Groundwater barriers
Groundwater mounds
Soil profiles
Strata
–Stratification

Lentic environments 0808
BT –Aquatic environment
–Environments
RT –Movement
–Standing waters

Leontief models 1201
BT –Input-output analysis
–Mathematical studies
–Model studies

Lepomis species
USE Sunfishes

Leptodora kindtii
USE Waterfleas

Lespedeza 0204 0603.1
UF Korean lespedeza
Sericea
BT –Crops
–Dicots
–Horticultural crops
–Legumes
–Plants (botany)
RT –Agronomic crops
–Forage legumes
Roadbanks

Lesser scaup duck 0603.2
UF Aythya affinis
Scaup (lesser)
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Lethal limit 0606
RT Dosage
–Pesticides
–Poisons
Radioactivity effects
Radiosensitivity
–Toxicity
–Toxins

Lettuce 0204 0603.1
BT –Crops
–Dicots

Lettuce (Con.)
—Field crops
—Horticultural crops
—Plants (botany)
—Vegetable crops

Levees 1313.1
BT —Earthworks
—Embankments
—Engineering structures
—Hydraulic structures
RT —Barriers
Borrow pits
Check dams
—Check structures
—Coastal structures
Compacted soils
Dam design
—Dams
Dikes
—Docks
—Earth dams
—Earthfill
—Earth handling equipment
Earthmoving
—Fills
Flood control
Flood protection
Floodways
Overflow
Phreatic lines
Revetments
—River regulation
River training
Rolled fills
Shore protection
Underseepage
Water control
Zoned embankments

Liabilities 0503
RT Accounting
Commerce
Credit
—Damages
Debt
Financing
—Hazards
—Losses
Torts

Libraries 0502
RT Abstracts
Bibliographies
—Classifications
Data collections
Dictionaries
—Documentation
—Education
—Facilities
Indexes (documentation)
Information centers
Information retrieval
Information science
Information systems
Publications
—Subject indexing
—Tables (data)
—Translating
Translations

Library searches
USE Information retrieval

Licenses 0504
NT Irrigation permits
Water permits
Well permits
RT Administrative agencies
—Control
—Foreign trade
—Legal aspects
Legislation
Patents
—Permits
—Prior appropriation
—Regulations
Royalties
State governments

Lichens 0603.1
BT —Plants (botany)
RT —Fungi
Sessile algae
Symbiosis

Life cycles 0616
NT Diapause
RT Age
Aging (biological)
—Animals
Balance of nature
Biorhythms
—Ecology
—Eggs
Fish reproduction
Fry
Growth rates
—Growth stages
Intermediate hosts
—Larvae
Life expectancy
Life history studies
—Migration
Period of growth
Phenology
—Plants (botany)
Smolt
Spawning

Life expectancy 1407
RT Age
Aging (biological)
Aging (physical)
Amortization
—Animals
Balance of nature
Biorhythms
Depreciation
Deterioration
—Durability
—Ecology
—Eggs
Fish reproduction
Fry
Growth rates
—Growth stages
Human engineering
Insurance costs
Intermediate hosts
—Larvae
—Life cycles
Life history studies
—Maintenance
—Migration
Period of growth
Phenology
—Plants (botany)
Reliability
Service life
Smolt
Spawning
—Stability
Vulnerability

Life history studies 0616
RT —Animal behavior
Biorhythms
Competition
—Ecology
Fish establishment
Fish migration
Growth rates
—Growth stages
History
Intermediate hosts
—Life cycles
Life expectancy
—Migration
Period of growth
Phenology
Sexual maturity

Lifting machinery
USE Hoisting machinery

Lifts (construction) 1315
RT —Concrete dams
—Construction control
—Construction joints
—Construction methods
Construction practices
—Earthfill
—Fills
Horizontal joints
Mass concrete
Rolled fills
Slip forms

Lift slab construction 1315
BT —Construction
—Construction methods
RT —Concrete construction
Construction practices
Slabs

Light 2006
UF Light rays
BT —Electromagnetic waves
NT Ambient light
Bottom-reflected light
RT Color
—Energy
—Environments
Lasers
Lighting
Lighting equipment
Light intensity
Light penetration
Light quality
Light waves
—Optical measurement
Optics
Photoactivation
Photoelectricity
Photoperiodism
Photosynthesis
—Physics
Polariscopes
Polarization
—Radiation
Reflection
Reflectivity
—Refraction
Solar radiation
Visibility
Vision

Light duration
USE Photoperiodism

Lighthouses 1707
RT Coasts
Harbors
Navigation
—Ships

Lighting 1301
RT Architecture
—Beautification
Electric wiring
—Highways
Human engineering
—Light
Lighting equipment
Light quality
Light waves
—Photography
Psychological aspects
Vehicular tunnels

Lighting equipment 1301
UF Floodlights
Search lights
Spotlights
BT —Equipment
RT Diffusers
—Light
Lighting
Light intensity
Louvers

Light intensity 2006
UF Light quantity
RT —Light
Lighting equipment
Light penetration
Opacity
—Optical properties
—Photometry

Lightning 0401
BT —Electric current
—Electric discharges
RT Cloud physics
—Electrical faults
Electrical grounding
Electric arcs
Ground currents
Lightning arresters
—Meteorology
Overhead ground wire
Sparks
Static electricity
—Storms
Storm structure
Thunderstorms

Lightning arresters 0901
BT —Electrical equipment
RT Air gaps
Circuit protection
—Electrical faults
Electrical grounding
Electric arcs
Lightning
—Protection (electrical)

Light penetration 2006
BT —Penetration
RT Aphotic zone
—Aquatic environment
Bottom-reflected light
—Light
Light intensity
Profundal zone
Turbidimeters
Turbidity

Light quality 2006
RT —Aquatic environment
—Light
Lighting
—Optical properties

Light quantity
USE Light intensity

Light rain
USE Drizzle

Light rays
USE Light

Light waves 2006
BT —Periodic variations
—Waves
RT Attenuation
Color
Infrared radiation
—Light
Lighting
—Luminescence
Reflection
Reflectivity
—Refraction
Refractivity
Ultraviolet radiation
Visibility

Lightweight aggregates 1303.1
BT —Aggregates
—Granular materials
RT Cinders
—Concretes
Fly ash
Lightweight concretes
Perlite
—Porous materials
Pumice
Sawdust
Vermiculite

Lightweight concretes 1303.1
BT —Building materials
—Concretes
—Construction materials
RT Architectural concrete
—Concrete technology
Lightweight aggregates
Structural concrete

Lignins 0703
BT —Chemical compounds
—Hydrocarbons
—Organic compounds
NT Chrome lignins
RT Cellulose
Fibers (plant)
Lumber
Pulp wastes
—Vascular tissues
—Wood
Wood wastes

Lignite 0807
BT —Coal
—Fossil fuels
—Organic matter
—Rocks
—Sedimentary rocks
RT Peat

Lilac 0603.1
BT —Crops
—Dicots
—Horticultural crops
—Ornamentals
—Plants (botany)
—Shrubs

Lime 1107
BT —Agricultural chemicals
—Chemicals
—Construction materials
RT —Acidic soils
—Additives

Lime (Con.)
–Calcareous soils
–Calcium carbonate
–Calcium compounds
Calcium hydroxide
–Cements
Chalk
Dolomite
Fertilizers
Lime soil mixtures
–Limestone
Magnesium carbonates
–Magnesium compounds
Magnesium hydroxide
–Mortars
Neutralization
–Pedocals
Plaster
Slaking
Slurries
Soil stabilization

Limes 0204 0603.1
UF Citrus aurantifolia
BT –Citrus fruits
–Crops
–Dicots
–Fruit crops
–Horticultural crops
–Plants (botany)
–Stone fruits
RT Orchards
–Trees

Lime soil mixtures 0813
UF Soil lime mixtures
BT –Mixtures
RT –Calcareous soils
Lime
Soil cement
–Soils
Soil stabilization
Soil treatment

Limestone 0807
BT –Calcareous rocks
–Carbonate rocks
–Rocks
–Sedimentary rocks
NT Chalk
RT Calcite
Dolomite
Karst
Lime
Marble
Marl
Reefs
Sinkholes
Sinks
Soluble rocks
Travertine

Limit design 1313.5
BT –Design
–Structural design
RT –Structural analysis
Ultimate loads
Ultimate strength design

Limiting factors 1407
RT Balance of nature
–Barriers
Distribution patterns
–Ecology
–Environmental effects
–Resource conservation

Limnology 0808
NT Paleolimnology
RT –Aquatic animals
–Aquatic bacteria
–Aquatic environment
–Aquatic habitats
–Aquatic insects
–Aquatic life
Aquatic microbiology
–Aquatic microorganisms
–Aquatic plants
–Aquatic populations
Aquatic productivity
–Biological communities
–Biological properties
–Biology
–Biomes
–Chemical properties
Density-flow
–Ecology
Epilimnion
Eutrophication
–Fresh water
–Freshwater fish
Freshwater marshes
Hydrography
–Hydrologic aspects
–Hydrology
Hypolimnion
–Lakes
Oligotrophy
–Oxygen demand
–Ponds
–Reservoirs
Stream pollution
–Streams
–Surface waters
Thermocline
Water analysis
–Water chemistry
–Water pollution
Water properties
–Water quality
Water temperature

Linear algebra 1201
BT –Algebra
–Mathematics
NT Matrix algebra
RT Tensor analysis
–Transformations
Vector analysis

Linear alkylate sulfonates 1111
UF L.A.S.
BT –Chemical compounds
–Chemicals
–Organic compounds
–Sulfonates
–Sulfur compounds
–Surfactants
RT Alkylbenzene sulfonates
–Biodegradation
Detergents

Linear expansion 1407 2013
BT –Expansion
RT –Expansive forces
Extensometers
High temperature research
Internal forces
–Temperature
Thermal expansion

Linear programming 1202
BT –Operations research
RT Computer programming
–Constraints
Dynamic programming
Game theory
Linear systems
–Mathematical models
–Mathematics
Optimization
Stochastic models

Linear systems 1201
BT –Algebra
RT Linear programming
Matrix algebra
Nonlinear systems

Lined canals 1313.1
BT –Canals
–Channels
–Conduits
–Conveyance structures
–Open channels
NT Concrete-lined canals
Earth-lined canals
RT Asphalt membranes
Bank erosion
Buried membranes
Canal seepage
Concrete linings
Earth linings
Flap valves
–Linings
–Membranes
Soil cement
Unlined canals

Line dropping
USE Line switching

Liner plates 1313.2
BT –Plates
RT Flat plates
–Metalwork
–Shielding
–Steel plates
–Tunnel construction
Tunnel linings
Tunnel supports

Liners
USE Linings

Line switching 0901.1
UF Line dropping
RT –Electric power
Power dispatching
Switching
–Transmission (electrical)

Linings 1107
UF Liners
Protective linings
NT Canal linings
Concrete linings
Earth linings
Flexible linings
Impervious linings
Pervious linings
Rigid linings
Steel linings
Tunnel linings
RT Armoring (streambed)
–Asphalt cement
–Asphalts
–Bituminous cements
Bituminous concretes
Bushings
–Casings
Catalytically blown asphalt
Cathodic protection
–Cements
–Channels
Chemical sealants
Coal tar coating
–Coatings
Concrete-lined canals
–Concretes
–Corrosion control
Cutback asphalts
–Elastomers
Epoxy resins
–Films
Impervious blankets
Impervious membranes
Inhibitors
–Leakage
–Lined canals
–Pipes
–Placing
–Plastics
–Protective coatings
Riprap
–Sealants
–Seepage
Seepage losses
–Shielding
Shotcrete
–Surfacing
Thin films
Waterproofing
Water seals
Water stops

Linseed oil 1108
BT –Oils
RT –Paints
–Protective coatings
Varnishes

Lipids 0601
UF Fats
BT –Chemical compounds
–Organic compounds
RT –Carbohydrates
–Oils
–Proteins

Liquefaction 0704 0813
NT Soil liquefaction
RT Cohesionless soils
–Conversion
Dilatation
–Earthquakes
–Failure (mechanics)
Fusion
Liquefied gases
Loose soils
Melting
Mudflows
Quick clays
Quicksand
Shock (mechanics)
–Vibration

Liquefied gases 0704
RT Cryogenics
–Gases
–Liquefaction
–Liquid-gas interfaces
–Liquid-vapor interfaces

Liquid-gas interfaces 1407
BT –Boundaries (surfaces)
–Interfaces
NT Air-water interfaces
–Liquid-vapor interfaces
RT –Gases
Liquefied gases
Liquids
–Vaporization
Vapor pressure
–Vapors

Liquid level gages 1402
BT –Gages
–Hydrologic instruments
–Instrumentation
–Measuring instruments
–Test equipment
RT –Canals
Depth recorders
–Detectors
Floats
Float wells
Free flow
–Gaging stations
Pumping tests (wells)
–Recording systems
Stilling wells
Stream gaging station
Water stage recorders

Liquid limit 0813
BT –Atterberg limits
–Soil properties
RT Index tests
–Plasticity
Plasticity index
Plastic limits
Relative consistency
Soil plasticity

Liquids 0704
RT Aqueous solutions
Dipping
–Fluids
Formulation
–Gases
Hydrometers
Hydrostatics
Incompressible flow
–Liquid-gas interfaces
–Liquid-vapor interfaces
Liquid wastes
Melting
Phase diagrams
Piezometry
Slurries
–Solvents
–Water types

Liquid-vapor interfaces 1407
BT –Boundaries (surfaces)
–Interfaces
–Liquid-gas interfaces
NT Air-water interfaces
RT –Bubbles
–Evaporation
Liquefied gases
Liquids
–Solutions
–Vaporization
Vapor pressure
–Vapors
Volatility

Liquid wastes 1302.1
BT –Wastes
RT Acid mine water
Activated carbon
–Biodegradation
Coagulation
–Desalination
Effervescence
Effluent reuse
–Effluents
Electrodialysis
Liquids
Reverse osmosis
Ultimate disposal

Liquid water content 1407
BT –Water content

Liquid water content (Con.)
RT –Atmosphere
–Clouds
Humidity
–Precipitation (atmospheric)
Snowpacks

Lithification 0807
RT –Coal
–Rocks
–Sedimentary rocks
Sedimentology
–Sediments

Lithium 0702
BT –Alkali metals
–Chemical elements
–Metals
RT Lithium alloys
Lithium compounds

Lithium alloys 1106
BT –Chemical elements
–Metals
RT –Alkali metals
Lithium

Lithium compounds 0702 0703
BT –Chemical compounds
RT Lithium

Litigation 0504
RT Boundaries (property)
Boundary disputes
Building codes
Claims (contracts)
Condemnation
–Contracts
–Easements
Eminent domain
Equitable apportionment
–International law
Judicial decisions
–Jurisdiction
Labor unions
Land tenure
Law of the sea
–Legal aspects
Legislation
Negotiations
Patents
–Permits
–Prior appropriation
Public rights
–Regulations
–Riparian rights
Supply contracts
Water allocation (policy)
–Water law
–Water rights
Water transfer
–Weather modification

Littoral drift 0803
UF Drift (littoral)
BT –Drift
RT –Beaches
Breakwaters
Debris
Littoral materials
Littoral zone
Marine clays
Ocean beaches
–Ocean currents
–Ocean waves
Sand bars
–Sediment transport
–Shores
–Waves
–Waves (water)

Littoral materials 0803
RT –Alluvial deposits
–Beaches
Debris
Flotsam
–Geologic deposits
Littoral drift
Littoral zone
Marine clays
Sand bars
–Sands
–Sediments

Littoral proprietorship
USE Riparian land

Littoral zone 0803
RT –Beaches
–Benthos
Continental shelf
Flotsam
Littoral drift
Littoral materials
Neritic
Ocean beaches
–Ocean currents
Oceans
Shallow water
–Shores
–Tides

Livebearers 0603.2
UF Gambusia species
Mollienesia species
Mollys
Poeciliidae
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Freshwater fish
–Wildlife
RT –Marine fish

Live loads 2011
BT –Loads (forces)
NT Impact loads
RT –Axial loads
Cyclic loads
Dead loads
Dynamic loads
Earthquake loads
External forces
Ice loads
Load distribution
Repeated loading
–Structural analysis
–Structural design
Total loads
Vertical loads
Wind bracing
Wind pressure

Livestock 0205 0603.2
BT –Animals
–Domestic animals
–Mammals
NT Cattle
Goats
Hogs
Sheep
RT Agriculture
Animal groupings
Browse utilization
Carrying capacity
Confinement pens
Experimental farms
Farm management
–Farms
Forage palatability
Grazing land
Mammal groupings
–Ruminants

Livestock wastes
USE Farm wastes

Livestock water
USE Stock water

Load centers 0901.1
RT –Electric power
Electric power demand
Power dispatching
Pressure distribution

Load distribution 2011
BT –Distribution
RT Active pressure
At rest pressure
Dead loads
Dynamic loads
–Earth pressure
Earthquake loads
Eccentric loading
Horizontal loads
–Lateral forces
–Live loads
–Loads (forces)
–Pressure
Pressure distribution
Reactions (mechanics)
Shear distribution
Stress analysis
Stress concentration
Stress distribution
–Structural analysis
–Structural design
Triaxial loads
Vertical loads

Loaders 1303
BT –Materials handling equipment
RT –Earth handling equipment
Feeders
Mobile equipment

Load factors 0903 2011
RT Design strength
Earthquake loads
–Failure (mechanics)
–Loads (forces)
Peaking capacities
Peak loads (electric)
Peak power
–Structural design
Ultimate loads
Wind pressure

Load-frequency control 0901.1
BT –Control
RT –Electric generators
–Electric power
Electric power demand
–Frequency
–Interconnected systems
–Transmission (electrical)

Loading rate 2011
BT –Rates
RT Loading time
–Loads (forces)
–Periodic variations
Rates of application
–Settlement (structural)
Strain rate
Surcharge

Loading tests 1402
BT –Tests
RT –Bearing capacity
–Compression tests
Dynamic loads
–Dynamic tests
Flat jack method
Jacking tests
–Loads (forces)
Pile tests
Pressure tests
Pull-out tests
–Shear tests
Static tests
Tension tests
Vibration tests

Loading time 2011
BT –Time
RT Loading rate
–Loads (forces)

Load rejection 0903
BT –Rejection
RT –Circuit breakers
–Electric generators
Electric relays

Loads (forces) 2011
NT –Axial loads
Biaxial loads
Cyclic loads
Dead loads
Dynamic loads
Earthquake loads
Horizontal loads
Ice loads
Impact loads
–Live loads
Pile lateral loads
Radial loads
Total loads
Triaxial loads
Ultimate loads
Vertical loads
RT Bays (structural)
Bending moments
Building codes
Centrifugal force
Centripetal force
Compressive stress
–Earth pressure
–Engineering mechanics
–Expansive forces
Hydraulic pressure
Ice pressure
Impact
Influence charts
Internal forces
Journal bearings
–Lateral forces
Load distribution
Load factors
Loading rate
Loading tests
Loading time
–Mechanical properties
Moment distribution
–Moments
Normal strain
Pile bearing capacities
–Pressure
Pressure distribution
Pressure head
Pull-out tests
Reactions (mechanics)
Repeated loading
Rigid frames
Rock pressures
Shear distribution
Shear forces
Shear strain
Shock (mechanics)
Soil pressure
Spans
–Statics
Static tests
–Strain
Strain rate
–Stress
Stress concentration
–Structural analysis
Structural behavior
–Structural design
–Structural stability
–Supports
Surcharge
Swelling pressure
Torque
–Tractive forces
–Weight
Wind bracing
Wind pressure

Loams 0807
BT –Earth materials
–Materials
–Soils
–Soil types
NT Clay loam
Silty loams
RT –Clays
Cohesive soils
Humus
Organic clays
–Organic matter
Organic silts
–Organic soils
–Sands
–Silts
Topsoil

Loans 0503
RT Capital
Capital supply
Cost repayment
Credit
Debt
Finance
Financing
Interest (finance)
Repayment

Loblolly pine trees 0206 0603.1
BT –Coniferous trees
–Conifers
–Gymnosperms
–Pine trees
–Plants (botany)
–Trees
RT Coniferous forests

Lobsters 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Crustaceans
–Invertebrates
–Shellfish
RT –Commercial shellfish

Local governments 0504
BT –Governments
RT Cities
Civil service
Government employees
Laws
–Legal aspects

Local governments (Con.)
Municipalities
–Organizations
Political aspects
–Social aspects
–Taxes
Water resources development
–Zoning

Locating 1407
RT Alinement
Direction finding
–Drilling
–Exploration
Locations
–Mapping
Orientation
Position finding
Railroad relocation
–Relocation
–Sites
–Surveying
–Tracers

Locations 1407
RT Damsites
–Exploration
Locating
–Mapping
–Plane surveying
Position finding
Railroad relocation
Real property
–Relocation
Reservoir sites
–Sites
Site selection
Survey stations
–Zoning

Lock gates 1313.1 1313.7
RT –Canals
–Gates
Hinged structures
Locks (waterways)
Miter gates
Navigable rivers
–Navigable waters
Sector gates
–Waterways

Locks (waterways) 1313.1
UF Navigation locks
BT –Engineering structures
–Hydraulic structures
RT Barges
–Barriers
Canal design
–Canals
–Check structures
–Concrete structures
–Dams
Diversion structures
Drops (structures)
Drydocks
Elevators
–Flow control
–Gates
Lock gates
Miter gates
Navigation
–Navigation dams
–Valves

Locomotives 1306
RT –Mining
Railroads

Lodgepole pine trees 0206 0603.1
UF Pinus contorta
BT –Coniferous trees
–Conifers
–Gymnosperms
–Pine trees
–Plants (botany)
–Trees

Lodging 0606
RT Crop response
–Environmental effects
Nutrient requirements
Physiological ecology
–Plant growth
–Plants (botany)
–Resistance

Loess 0807
BT –Aeolian soils
–Earth materials
–Materials
–Soils
–Soil types
RT Dust storms
Eluvium
Land subsidence
–Sediment deposits
–Sediments
Shallow subsidence
–Silts
Silty loams
–Subsidence
Wind erosion

Logging (lumber)
USE Lumbering

Logging (recording) 1403
NT –Electrical logging
Electrical well logging
Geophysical logging
Radioactive well logging
–Well logging
RT –Borehole cameras
Borehole geophysics
Boreholes
Cores
Drill holes
Drill hole TV cameras
–Drilling
Gamma probes
–Geologic investigations
–Geophysical prospecting
Logs
–Measuring instruments
–Nuclear probes
–Probes (instruments)
–Recording systems
Rock properties
Sediment sampling
–Sensors
Soil investigations
Soil profiles
Subsurface investigations
–Tests
–Wells

Logic (formal)
USE Formal logic

Logic (mathematics)
USE Mathematical logic

Logistics .505
RT –Management
Materials handling
Military
–Personnel
–Resources
Stockpiling
–Supply
–Transportation

Logs 1403
(excludes timbers)
BT –Records
RT Boreholes
–Charts
Data collections
Drill holes
–Exploration
–Geologic investigations
–Logging (recording)
–Reports
Soil investigations
Soil profiles
Subsurface investigations
–Wells

Lolium perenne
USE Perennial ryegrass

Long-chain alcohols
USE Fatty alcohols

Longevity 0616
RT Acclimatization
Age
Aging (biological)
–Environmental effects
Mortality
Persistence
Winterkilling

Longitudinal joints 1305
BT –Joints (connections)
RT Circumferential joints
–Construction joints
Contraction joints
Dowels
Expansion joints
Joint fillers
Keyways
Stress relieving
Transverse joints
Vertical joints
Water stops

Longitudinal waves 2014
BT –Mechanical waves
–Periodic variations
–Waves
RT –Elastic waves
Seismic investigations
–Seismic waves
Shock waves
–Sound waves
Transverse waves
Wavelength
Wave propagation
–Waves (water)
Wave velocity

Long-term planning 1314
BT –Planning
RT Future planning (projected)
Project planning
Short-term planning

Long-tube vertical distillation
1302.5
BT –Distillation
–Separation techniques
RT –Demineralization
–Desalination
Desalination processes

Loops (electrical) 0901.1
RT –Distribution systems
–Interconnected systems
–Networks
–Transmission (electrical)

Loose soils 0813
BT –Earth materials
–Materials
–Soils
RT Cohesionless soils
–Colluvium
Compressible soils
Densification
Embankment subsidence
–Gravels
–Liquefaction
–Pervious soils
–Porous materials
Relative density
–Settlement (structural)
Soil density
Unconsolidated soils

Loran
USE Position finding

Losses 1407
NT Diversion losses
Electric corona losses
Electric power losses
Energy losses
Head losses
Riparian water loss
Seepage losses
Tee losses
–Water loss
Weight loss
RT –Damages
Darcys law
Eddies
–Energy dissipation
Energy gradient
–Fluid flow
Fluid friction
–Friction
–Hazards
Heat balance
Hydraulic gradient
Hydraulic jump
–Leakage
Liabilities
Tees
Turbulent flow

Lotic environment 0808
BT –Aquatic environment
–Environments
RT Hydraulic properties
–Movement
–Running waters

Louisiana 0806
BT –Coastal plains
–Geographical regions
–States (geographical)

Louvers 1301
RT Air circulation
Apertures
Baffles
Diffusers
Lighting equipment
–Shielding
Vents

Low alkali cements 1303.1
BT –Cements
–Portland cements
RT Alkali aggregate reactions
–Cement-aggregate reaction
–Concretes

Low alloy steels 1106
BT –Alloys
–Construction materials
–Iron alloys
–Metals
–Steel
RT High strength steels
Low carbon steel
Metallurgy
Stainless steel

Low carbon steel 1106
BT –Alloys
–Construction materials
–Iron alloys
–Metals
–Steel
RT High strength steels
Low alloy steels
Metallurgy
Stainless steel

Low flow 0808
BT –Channel flow
–Flow
–Fluid flow
–Movement
–River flow
–Streamflow
RT Average flow
Base flow
–Discharge (water)
Droughts
Flow patterns
Low-flow augmentation
Waste dilution
Water level fluctuations
–Water levels
Water shortage

Low-flow augmentation 0808
BT –Flow augmentation
–Flow control
–Reregulation
RT Design flow
–Forecasting
Low flow
Navigation
Reservoir capacity
–Reservoir operation
Reservoir storage
–River flow
–River regulation
–Streamflow
Waste dilution
Water allocation (policy)
Water supply
–Water utilization

Low frequency 2014
BT –Frequency
RT Harmonics
Oscillations
–Time

Low head 2004
BT –Head (fluid mechanics)
RT –Dams
Deriaz pump turbine
–Hydraulic gates
–Hydraulic machinery
–Hydraulic valves
Kaplan turbines
Low pressure
–Pipelines
Propeller pumps
–Pumps

Low heat cements 1303.1
BT —Cements
—Portland cements
RT —Concretes
Heat of hydration
Mass concrete

Low-latitude fishes 0603.2
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Wildlife
RT Animal groupings
Fish types

Low pressure 1407
BT —Pressure
RT Atmospheric pressure
High pressure
Low head
Low temperature
—Negative pressure
—Subatmospheric pressure
—Suction
—Vacuum
—Vacuum apparatus
Vacuum pumps

Low pressure areas
USE Cyclones

Low temperature 1407
BT —Temperature
RT Cryogenics
High temperature
Low pressure
Refrigeration
Superconductivity
—Temperature sensors

Low temperature studies
USE Cryogenics

Low water mark 0504.1
RT Banks
Boundaries (property)
Ownership of beds
—Seashores
—Streamflow
Streamflow depletion
Tidal waters
—Watercourses (legal)
Water level fluctuations

Lubricants 1108
RT Abrasion
—Additives
—Bearings
Fluid friction
—Friction
Friction coefficient (mechanical)
Graphite
Greases
Journal bearings
Lubrication
—Maintenance
—Materials
—Oils
Sliding
—Water

Lubrication 1108
RT Bearing pressure
—Bearings
—Friction
Gears
Impregnation
Lubricants
Machine design
—Oils
Sliding
Sliding resistance
Slipping

Lumber 1303
BT —Building materials
—Construction materials
—Materials
RT Cellulose
Fibers (plant)
Hardwood
—Laminated wood
—Lignins
Lumbering
Plywoods
Saw mills
Sheeting
Softwood
Timbers
—Wood
Wooden bridges
—Wooden structures
Wood preservatives
Wood preservatives (pesticides)

Lumbering 0206
UF Logging (lumber)
BT —Industries
RT Clear-cutting
—Clearing
Forest management
Forestry
—Forests
Lumber
Pulp and paper industry
Pulp wastes
Saw mills
—Trees
Wood wastes

Luminescence 2006
NT Bioluminescence
—Fluorescence
X-ray fluorescence
RT —Chemical properties
—Electrical properties
—Electromagnetic waves
Emissivity
Excitation
Lasers
Light waves
—Optical properties
—Radiation
—Thermal properties

Lycopersicon esculentum
USE Tomatoes

Lycopodium species
USE Clubmoss

Lysimeters 1402
BT —Equipment
—Instrumentation
—Measuring instruments
—Test equipment
RT Evaporation tanks
—Evapotranspiration
Infiltration
—Moisture content
Peak runoff
Percolation
Permeameters
—Precipitation (atmospheric)
—Rainfall
—Runoff
—Soil water
Water requirements

M

Macadamia 0204 0603.1
BT —Crops
—Dicots
—Fruit crops
—Horticultural crops
—Nuts
—Plants (botany)
—Stone fruits
RT Orchards
—Trees

Machine design 1309.1
RT Lubrication
—Machines
—Machine tools
Mechanical engineering
—Mechanics

Machinery
USE Machines

Machinery shafts
USE Shafts (machinery)

Machines 1309
UF Machinery
NT Centrifugal pumps
Deriaz pump turbine
Feed pumps
—Hydraulic machinery
Jet pumps
Mixed flow pumps
Propeller pumps
—Pumps
—Pump turbines
Reciprocating pumps
—Rotary pumps
Test machines
Tunneling machines
Vibration tables
—Vibrators (mechanical)
RT Characteristics
Machine design
—Machine tools
Mechanical equipment
—Mechanics
Mechanization
Performance rating
Portable

Machine tools 1309
NT —Augers
Boring machines
—Drilling equipment
—Grinders
Lathes
Milling machines
RT —Drills
Flexible shafts
Hand tools
Machine design
—Machines
Machining
Presses
Reamers

Machine translating 0507
BT —Translating
RT Automation
Coding
Dictionaries
Editing
Grammars
Information science
—Languages
Magnetic tapes
Symbols

Machining 1308
BT —Cutting
RT —Drilling
—Finishing
Grinding
Grooves
Lathes
—Machine tools
Milling machines
Residual stress
Shaping
Surface preparation

Mach number 2004
RT —Acoustics
Aerodynamics
Shock waves
—Sound waves
Subsonic flow
Supersonic flow

Macrobenthos
USE Benthos

Madtoms 0603.2
BT —Animals
—Aquatic animals
—Aquatic life
—Catfishes
—Fish
—Freshwater fish
—Pan fish
—Wildlife

Magma 0807
RT —Igneous rocks
Juvenile water
Lava
—Plutonic rocks
—Rocks
Volcanoes

Magmatic water
USE Juvenile water

Magnesium 0702
BT —Alkaline earth metals
—Chemical elements
—Metals
RT Barium
Magnesium alloys
—Magnesium compounds

Magnesium alloys 1106
BT —Alloys
—Metals
RT Magnesium

Magnesium carbonates 0702
BT —Carbonates
—Chemical compounds
—Inorganic compounds
—Magnesium compounds
RT Dolomite
Lime

Magnesium compounds 0702 0703
BT —Chemical compounds
NT Chlorophyll
Magnesium carbonates
Magnesium hydroxide
RT Lime
Magnesium

Magnesium hydroxide 0702
BT —Alkalis (bases)
—Chemical compounds
—Inorganic compounds
—Magnesium compounds
RT Lime

Magnetic coils
USE Electromagnets

Magnetic cores
USE Electromagnets

Magnetic drums
USE Magnetic recording

Magnetic fields 2003
RT Auroras
Electric fields
Electrokinetics
Electromagnetism
Exciters
—Geophysics
—Magnetic properties
Magnetic surveys
Magnetohydrodynamics
—Magnets
Metal detectors
Polarity
Terrestrial magnetism

Magnetic induction 2003
UF Induction (magnetic)
BT —Magnetic properties
RT Induced currents
Induced voltage
Inductance
Magnetohydrodynamics

Magnetic materials 2003
NT Ferrites
RT Ferromagnetism
Magnetic tapes
Magnetostriction
—Magnets
Metal detectors

Magnetic permeability
USE Magnetic properties

Magnetic properties 2003
UF Magnetic permeability
Magnetic resonance
Magnetism
BT —Properties
NT Ferromagnetism
Magnetic induction
Magnetostriction
Terrestrial magnetism
RT —Chemical properties
—Electrical properties
Hardness
Hysteresis
Inductance
Isotropy
Magnetic fields
Magnetic surveys
—Mechanical properties
Orientation
—Physical properties
—Thermal properties

Magnetic recording 1403
UF Magnetic drums

USE = Use preferred term; UF = Used for; BT = Broader term; NT = Narrower term; RT = Related term.

Magnetic recording (Con.)
Magnetic tape recorders
RT –Computer storage devices
Data storage
Digital recording
Magnetic tapes

Magnetic resonance
USE Magnetic properties

Magnetic surveys 0814
BT –Geophysical prospecting
–Geophysics
–Surveys
RT Geodesy
Geodetic surveys
Magnetic fields
–Magnetic properties
Magnetometers
Terrestrial magnetism

Magnetic tape recorders
USE Magnetic recording

Magnetic tapes 0902
BT –Computer storage devices
–Computer systems hardware
–Tapes
RT Data storage
Machine translating
–Magnetic materials
Magnetic recording
Punched tapes
–Recording systems

Magnetism
USE Magnetic properties

Magnetohydrodynamics 2009
UF Gases (ionized)
RT Electric arcs
–Electromagnetic properties
Ionization
Magnetic fields
Magnetic induction
Plasma physics

Magnetometers 1402
BT –Equipment
–Instrumentation
–Measuring instruments
–Test equipment
RT Geodesy
Geophysical logging
–Geophysical prospecting
Inclinometers
Magnetic surveys
Nuclear magnetic resonance
–Well logging

Magnetos 1002
BT –Electric generators
–Generators

Magnetostriction 2003
BT –Magnetic properties
RT Cavitation
–Magnetic materials
Nickel

Magnets 2003
NT Electromagnets
RT Ferromagnetism
Magnetic fields
–Magnetic materials

Magnitude 1407
RT Amplitude
–Dimensions
Displacements
Earthquake focus
–Earthquakes
–Energy
Epicenters

Maine 0806
BT –Geographical regions
–States (geographical)

Maintenance 1505
NT Preventive maintenance
Repairing
RT –Administration
–Construction
Dam failure
–Electrical equipment
–Equipment
Garages
Helicopters
Industrial production
–Installation
–Instrumentation
Irrigation operation & maintenance
Life expectancy
Lubricants
Maintenance costs
Maintenance equipment
Maintenance personnel
–Management
Manuals
Mechanical engineering
Mechanical equipment
Monitoring
Obsolete equipment
–Operation and maintenance
–Operations
Power operation & maintenance
Rehabilitation
Reliability
Renovating
Replacing
Service life
Spare parts
Specifications
Stop logs
Tunneling machines

Maintenance and operations
USE Operation and maintenance

Maintenance costs 1401
BT –Costs
RT Construction costs
–Cost allocation
Electric power costs
Equipment costs
Irrigation operation & maintenance
–Maintenance
Operating costs
–Operation and maintenance
Operation and maintenance costs
Power operation & maintenance
Replacement costs

Maintenance equipment 1505
BT –Equipment
RT Garages
–Maintenance
Mechanical equipment
–Operation and maintenance
Repairing

Maintenance personnel 0509
BT –Personnel
RT Construction management
–Maintenance
–Operation and maintenance

Major structures
USE Large structures

Malenclaves 0808.1
BT –Groundwater
–Subsurface waters
RT –Aquifers
–Water pollution

Mallard duck 0603.2
UF Anas platyrhynchos
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Mammal groupings 0603.2
Use of a more specific term
is recommended
RT Animal groupings
–Domestic animals
–Furbearers
Laboratory animals
–Livestock
–Mammals
–Rodents
–Ruminants
–Small animals (mammals)
–Wildlife

Mammalian attractants 0606
BT –Attractants

Mammalian repellents 0606
BT –Repellents

Mammals 0603.2
BT –Animals
NT Beavers
–Big game
Cattle
Deer
Goats
Gophers
Hogs
–Livestock
Man
Mink
Muskrats
Otters
Peccary
–Rodents
–Ruminants
Sheep
RT Animal groupings
Mammal groupings
–Small game
–Wildlife

Man 0603.2
BT –Animals
–Mammals
RT Archaeology
–Ecology
–Environments
–Habitats
Human behavior
Human population
Human resources
Population growth
–Reproduction (biology)
Sexual maturity

Management 0501
Use of a more specific term
is recommended
NT Construction management
–Contract administration
–Cutting management
Farm management
Fish management
Forest management
Groundwater management
–Land management
Marsh management
Pasture management
Personnel management
Planting management
Range management
Snow management
–Soil management
–Water management (applied)
–Water resources management
Watershed management
–Wildlife management
RT –Administration
Consulting engineers
Coordination
Decision making
–Economics
Employee relations
–Engineering personnel
Executives
Financing
–Forecasting
Group dynamics
Industrial engineering
Industrial production
Industrial relations
Information systems
–Institutions
Job analysis
Leadership
Logistics
–Maintenance
Management analysis
Management engineering
Management planning
Management training
Manpower
–Marketing
Multiple purpose projects
Negotiations
Objectives
–Operation and maintenance
–Operations
–Operations research
–Organizations
Organizing
–Personnel
PERT
–Planning
Plant efficiencies
–Policies
Power operation & maintenance
–Production
Production planning
–Productivity
Professional advancement
–Professional personnel
Project planning
–Projects
Psychological aspects
Public relations
–Regulations
Responsibilities
Risks
–Sciences
Scientific personnel
–Social aspects
Supervision
Systems analysis
Systems engineering
–Technologists
Technology

Management analysis 0501
BT –Analysis
RT –Efficiencies
–Forecasting
–Management
Management engineering
Management planning
–Operations research
Optimization
Organization charts
–Personnel
Simulation
Systems analysis

Management engineering 0501
BT –Engineering
RT Decision making
Industrial engineering
Information systems
–Management
Management analysis
Management planning
–Operations research
Personnel management
Systems engineering
Time and motion studies
Value engineering

Management planning 0501
BT –Planning
RT –Forecasting
Group dynamics
–Management
Management analysis
Management engineering
–Methodology
–Operations research
Personnel management
–Training

Management training 0509
BT –Training
RT –Education
Executives
Group dynamics
Leadership
Learning
–Management
Motivation
Personnel management

Manganese 0702
BT –Chemical elements
–Metals
RT Manganese alloys
Manganese compounds

Manganese alloys 1106
BT –Alloys
–Metals
RT Manganese
–Steel

Manganese compounds 0702 0703
BT –Chemical compounds
RT Manganese

Mangrove swamps 0808
BT –Swamps
–Wetlands
RT Brackish water

Manholes 1302.1
RT –Conduits
Junctions
–Outlets
Overflow
–Pipelines

Manholes (Con.)
Sewers
Siphons
–Subsurface drains
–Tunnels
–Underground structures

Manifolds 1311
RT Discharge lines
Head losses
–Intake structures
–Internal combustion engines
–Outlet works
Penstocks
–Pipes
–Tubes

Mannings equation 2004
BT –Equations
RT Canal design
Channel design
–Channel flow
Chezy equation
–Discharge (water)
Discharge coefficients
Discharge measurement
–Fluid flow
Hazen-Williams equation
Hydraulic radius
Kutter formula
Open channel flow
Reynolds number
Roughness (hydraulic)
Roughness coefficient
Test canals
Uniform flow

Manometers 1402
BT –Gages
–Hydrologic instruments
–Measuring instruments
–Pressure gages
–Pressure measuring instruments
RT Barometers
Piezometry
–Pressure

Manpower 0509
UF Manpower utilization
RT –Administration
–Education
Employee relations
–Employment
Employment opportunities
–Engineering personnel
Government employees
Human resources
Industrial production
Labor
Labor mobility
Labor supply
–Management
–National defense
National income
Occupations
–Personnel
Personnel management
–Population
Population growth
–Procurement
–Professional personnel
Resource allocation
–Resource development
Scientific personnel
–Technologists
–Training

Manpower utilization
USE Manpower

Manual benefits 0501 0503
BT –Benefits
RT Annual equivalent benefits

Manual control 1402
BT –Control
RT –Control equipment
Cultural control
–Equipment
Materials control
Mechanical control
–Operations
–Physical control

Manuals 0502
RT Computer programming
Equipment installation
–Instruction
–Maintenance
–Methodology
–Operation and maintenance
–Procedures
–Processing
Technology
–Training
Work

Manufacturers
USE Manufacturing

Manufacturing 0503
UF Manufacturers
RT Commerce
Fabrication
Foreign products
–Industries
–Organizations
Preparation
–Processing
–Production
Time and motion studies

Manure
USE Farm wastes

Manure lagoons
USE Farm lagoons

Maple trees 0603.1
UF Acer species
BT –Crops
–Deciduous trees
–Dicots
–Horticultural crops
–Plants (botany)
–Trees

Mapping 0802
UF Cartography
NT Geologic mapping
Subsurface mapping
Topographic mapping
RT Aerial reconnaissance
Bench marks
–Coordinates
Direction finding
Distribution patterns
–Exploration
–Field investigations
Geologic maps
Grid systems
Isobars
Isohyets
Isotherms
Locating
Locations
–Maps
Mosaics
Photogrammetry
–Photography
–Plane surveying
–Profiles
Reconnaissance surveys
Remote sensing
Second order surveys
–Sites
Soil maps
Soil surveys
Streambed profiles
–Surveying
Surveying instruments
–Surveys
Symbols
Terrain analysis
Topographic surveys
Topography
Weather maps

Maps 0802
NT Geologic maps
Soil maps
Weather maps
RT Aerial reconnaissance
Areal
–Charts
Data collections
Design data
–Exploration
–Geography
Geologic mapping
–Mapping
Mosaics
Navigation
Orientation
Photogrammetry
Scale (ratio)
Soil investigations
Subsurface mapping
–Surveying
–Surveys
Synoptic analysis
Topographic mapping
Triangulation nets

Marble 0807
BT –Building materials
–Calcareous rocks
–Carbonate rocks
–Construction materials
–Crystalline rocks
–Materials
–Metamorphic rocks
–Rocks
RT Dolomite
–Limestone
Travertine

Mareca americana
USE American widgeon

Mareca penelope
USE European widgeon

Marginal benefits 0501 0503
BT –Benefits
RT Fringe benefits
Marginal costs
Marginal income
Project planning
Risks

Marginal costs 0503
BT –Costs
RT Marginal benefits
Marginal income

Marginal income 0503
BT –Income
RT Incremental income
Marginal benefits
Marginal costs
Risks

Marginal productivity 1407
BT –Productivity

Marginal return 0503
BT –Return (monetary)

Marginal utility 1407
RT –Value

Marinas 1310
RT –Boats
–Coastal structures
–Docks
Harbors
–Inland waterways
Inlets (waterways)
Marine engineering
–Recreation facilities
–Water sports

Marine air masses 0402
BT –Air masses
RT Oceans
Sea breezes

Marine algae 0613 0801
BT –Algae
–Aquatic algae
–Aquatic life
–Aquatic plants
–Marine plants
–Plants (botany)
RT –Aquatic microorganisms
Benthic flora
–Benthos
–Marine microorganisms
–Phytoplankton
Red tide

Marine animals 0603.2 0801
BT –Animals
–Aquatic animals
–Aquatic life
NT Atlantic menhaden
Coral
Desmersal fishes
Eels
–Elasmobranches
Jelly fish
–Marine fish
Morays
Mullets
Mussels
Oysters
Pile perch
–Sea basses
Sharks
Smelts
Striped bass
White bass
White perch
White seaperch
Yellow bass
RT Animal groupings
–Benthic fauna
–Benthos
Commercial fish
–Marine borers
–Marine microorganisms
Oceans
Periphyton
–Plankton
–Salmon
Sport fish
–Zooplankton

Marine bacteria 0613 0801
BT –Aquatic bacteria
–Aquatic life
–Aquatic microorganisms
–Aquatic plants
–Bacteria
–Marine microorganisms
–Marine plants
–Microorganisms
–Plants (botany)
–Seston
RT Beggiatoa
Myxobacteria
–Nitrogen fixing bacteria
–Phytoplankton
Pseudomonas
–Saline water
–Sulfate reducing bacteria

Marine borers 0603.2
UF Borers (marine)
NT Teredos
RT –Aquatic life
–Marine animals
–Mollusks
Wooden piles

Marine clays 0807
BT –Clays
–Earth materials
–Finegrained soils
–Fines
–Materials
–Soils
RT –Beaches
Lacustrine deposits
Littoral drift
Littoral materials
Marine geology
Marl
Muck
Mud
Ocean bottom
Oceans
Quick clays
–Sediments
Varves

Marine engineering 1310
UF Engineers (marine)
Marine engineers
BT –Engineering
RT –Aquatic life
–Civil engineering
Coastal engineering
–Coastal structures
–Docks
Drydocks
Harbors
–Inland waterways
Marinas
Marine geology
Mechanical engineering
Naval architecture
Oceanography
Oceans

Marine engineers
USE Marine engineering

Marine fish 0603.2 0801
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Marine animals
–Saline water fish
–Wildlife

Marine fish (Con.)
NT Atlantic menhaden
Desmersal fishes
Eels
—Elasmobranches
Morays
Mullets
Pile perch
—Sea basses
Sharks
Smelts
Striped bass
White bass
White perch
White seaperch
Yellow bass
RT Animal groupings
Atlantic salmon
Brackish-water fish
Brook trout
Chinook salmon
Chum salmon
Commercial fish
Cutthroat trout
Fish types
—Herrings
—Lampreys
Livebearers
Marine fisheries
Pink salmon
—Salmon
—Salmonids
Sculpins
Silversides
Sockeye salmon
Sticklebacks
Surf-casting

Marine fisheries 0603.2
BT —Fisheries
RT Commercial fishing
Estuarine fisheries
—Marine fish
Oceans
—Saline water fish
Sport fishing
Surf-casting

Marine fungi 0613
BT —Aquatic fungi
—Aquatic life
—Aquatic microorganisms
—Aquatic plants
—Fungi
—Marine microorganisms
—Marine plants
—Microorganisms
—Plankton
—Plants (botany)
—Seston
RT —Phytoplankton

Marine geology 0807
BT —Geology
RT Continental shelf
Continental slope
Engineering geology
Geomorphology
Groundwater geology
—Hydrogeology
Marine clays
Marine engineering
Ocean bottom
Oceanography
Oceans
—Sedimentary rocks
—Sedimentation
Sedimentology
Stratigraphy

Marine microorganisms 0613
BT —Aquatic life
—Aquatic microorganisms
—Microorganisms
—Seston
NT Marine bacteria
Marine fungi
RT Marine algae
—Marine animals
—Marine plants

Marine plants 0603.1 0801
BT —Aquatic life
—Aquatic plants
—Plants (botany)
NT Ditch grass
Marine algae
Marine bacteria
Marine fungi
RT Benthic flora
—Benthos
—Marine microorganisms
—Phytoplankton
—Plankton
—Rooted aquatic plants

Marine water
USE Sea water

Marketing 0503
NT Power marketing
RT Agricultural economics
Commerce
Competition
—Consumers
—Costs
Credit
Economic efficiency
—Economics
Financing
Industrial production
—Management
Market value
Optimum crop yield
—Planning
Sales
Water users
—Water utilization

Market value 0503
BT —Value
RT —Demand
Elasticity of demand
Elasticity of supply
Farm prices
—Marketing
—Prices
—Pricing

Marking techniques 0606
UF Banding
Capture-mark-and-recapture technique
Fin clipping
Recapturing
Wing clipping
RT —Analytical techniques
—Census
Dye releases
Electrical shocking gear
—Indicators
—Nets
—Radioisotopes
Remote sensing
Tagging
Telemetry
—Tracers
Tracking techniques
Trapping

Markov processes 1201
BT —Mathematical studies
—Stochastic processes
RT Monte Carlo method
Sequential analysis
—Statistical models

Marl 0807
BT —Calcareous rocks
—Calcareous soils
—Carbonate rocks
—Earth materials
—Materials
—Rocks
—Sedimentary rocks
—Soils
—Soil types
RT Calcite
—Calcium carbonate
Caliche
Dolomite
—Limestone
Marine clays
Mud

Mars (planet) 0301
BT —Astronomical bodies
—Planets

Marshes 0808
BT —Land forms
—Wetlands
NT Coastal marshes
Freshwater marshes
Salt marshes
Tidal marshes
RT —Aquatic environment
—Aquatic habitats
—Bodies of water
—Bogs
Fen
—Lake stages
Land reclamation
Marsh management
Marsh plants
Muck
Muskeg
Peat
Peat bog
Quicksand
Shallow water
Stagnant water
—Standing waters
—Surface waters
—Swamps
Waterlogged land

Marsh management 0808
BT —Management
—Water resources management
RT Drainage effects
—Flooding
Food and cover crops
Habitat improvement
—Marshes
Shore-line cover
—Vegetation establishment
—Wildlife management

Marsh plants 0603.1
BT —Plants (botany)
RT —Amphibious plants
—Marshes
Plant groupings
Waterlogged land

Maryland 0806
BT —Coastal plains
—Geographical regions
—States (geographical)

Masers 2005
RT Lasers
Microwaves

Masonry 1303
NT Brick masonry
Clay masonry
Concrete masonry
Rubble masonry
RT Bricks
—Building materials
—Cements
—Ceramic materials
—Concretes
—Construction joints
—Construction materials
Efflorescence
Expansion joints
Horizontal joints
Keyways
Masonry dams
—Mortars
Slabs
Slip forms
Stones
—Structural members

Masonry dams 1313.1
BT —Dams
—Hydraulic structures
RT —Arch dams
Bricks
Buttress dams
—Cements
—Concrete dams
Concrete masonry
—Concretes
Dam design
Gravity dams
—Masonry
Monoliths
—Mortars
Rubble masonry
Stones

Mass 1407
RT Bulk
Bulking
—Density
—Dimensions
Dry density
Dry weight
Gradation
Kinetic energy
Mass transfer
—Moments
Moments of inertia
Potential energy
—Size
Specific gravity
—Statics
Volume
—Weight

Massachusetts 0806
BT —Geographical regions
—States (geographical)

Mass concrete 1303.1
BT —Concretes
RT —Cements
—Concrete construction
Concrete control
—Concrete dams
—Concrete placing
—Concrete technology
—Construction materials
Cyclopean concrete
Fly ash
Gravity dams
Lifts (construction)
Low heat cements
Monoliths
—Portland cements

Mass curves 0808
BT —Curves
—Geometric shapes
RT Depth-area-duration analysis
Duration curves
Flow duration
Flow duration curves
Hydrologic data
—Rainfall
—Runoff
—Time

Mass transfer 1407
BT —Transfer
—Transport phenomena
RT Boundary processes
Convection
—Diffusion
Dispersion
—Evaporation
Mass
—Mass wasting
—Membrane processes
—Osmosis
Water flux

Mass wasting 0807
BT —Erosion
NT Debris avalanches
—Landslides
Rockslides
Solifluction
RT —Colluvium
Creep
Mass transfer
—Meteorology
—Movement
Mudflows
Rock glaciers
Rockslides
—Slopes
Soil conservation
Soil erosion
Soil mechanics
Talus
Weathering

Mastics 1107
BT —Construction materials
RT —Asphalt cement
—Asphalts
—Bitumens
—Bituminous cements
—Building materials
Coal tar
Joint fillers
—Resins
—Sealants

Materials 1100
Use of a more specific term is recommended
NT —Acidic soils
Adobe
—Aeolian soils
—Aggregates
—Alkaline soils
Alkali soils
—Alloys
Aluminum
Anaerobic soils

Materials (Con.)
Aquatic soils
Asbestos cement
Bedding materials
Bentonite
Borrow materials
Boulders
Bricks
–Building materials
–Calcareous soils
Caliche
–Castings
Cast iron
–Ceramic materials
–Clays
Cobbles
Cohesionless soils
Cohesive soils
–Colluvium
Compacted soils
–Composite materials
Compressible soils
–Concretes
–Construction materials
Deleterious materials
Detrital soils
Diatomaceous earth
–Earth materials
–Expansive clays
–Expansive soils
Fiberboards
–Finegrained soils
–Frozen soils
Glacial soils
–Granular materials
–Gravels
Gumbo
Hardwood
High strength steels
Impervious soils
–Iron
Kaolin
Lacustrine deposits
Lake soils
Laterites
–Loams
Loess
Loose soils
Lumber
Marble
Marine clays
Marl
–Metals
–Mortars
Mud
Nails
Organic clays
Organic silts
–Organic soils
Peat
–Pervious soils
Pit run materials
–Plastics
Plywoods
Polymer concretes
–Porous materials
Precast concrete
Preconsolidated soils
Pumice
Quick clays
–Reinforced concrete
–Reinforcing materials
–Reinforcing steels
Residual soils
Rock flour
Roofing materials
–Rubber
–Sands
Saturated soils
Selected materials
Silty loams
Softwood
–Soils
–Steel
Subsoil
Timbers
Topsoil
Unconsolidated soils
Undisturbed soils
Unsaturated soils
Volcanic ash
–Wood
Zinc
RT Abrasives
Adhesives
–Coatings
–Fibers
–Glass
Glass reinforced plastics
Lubricants
Materials control
Materials engineering
Materials failure
Materials forming
Materials handling
Materials stability
–Materials tests
–Quality control
–Rubber
–Solvents
Specifications
–Standards
Strength of materials
–Supply

Materials control 1303
BT –Control
RT Automation
Concrete control
Control systems
Industrial production
–Inspection
–Instrumentation
Manual control
–Materials
Materials engineering
Mechanical control
Monitoring
–Productivity
–Quality control
–Regulation
Remote control
–Sampling
Scheduling
Temperature control

Materials engineering 1100
BT –Engineering
RT –Construction control
–Materials
Materials control
Materials failure
–Materials tests
Petrographic investigations
–Quality control
–Research and development
–Sampling
Specifications
Strength of materials
Technology

Materials failure 1303
BT –Failure
–Failure (mechanics)
RT Buckling
–Construction materials
Cracking
Disasters
–Materials
Materials engineering
–Materials tests
–Quality control
Replacing
Strength of materials

Materials forming 1308
RT –Castings
Extrusions
–Materials
Moldings
Rolling
Shaping

Materials handling 1308
RT Belt conveyors
Blowers
Chemical engineering
–Distribution systems
–Earth handling equipment
–Excavation
Hauling
Industrial engineering
Logistics
–Materials
–Materials handling equipment
–Mines
–Mining
–Pumping
–Routing
–Transportation
Warehouses

Materials handling equipment 1309
NT Belt conveyors
–Conveyors
–Cranes (hoists)
–Hoisting machinery
Loaders
Overhead cranes
RT –Compressors
–Containers
Dispensers
Ejectors
Fans
Handling equipment
Materials handling
–Pumps
Shovels
Tramways
–Vessels

Materials stability 1407
BT –Stability
RT –Materials
Strength of materials

Materials tests 1402
BT –Tests
NT Accelerated tests
Acceptance tests
Compaction tests
–Compression tests
Concrete tests
Corrosion tests
Creep tests
Drained shear tests
–Environmental tests
Exposure tests
Fatigue tests
–Field permeability tests
Freeze-thaw tests
Hardness tests
High temperature research
Impact tests
Index tests
–Metal tests
–Nondestructive tests
Notch tests
Penetration tests
–Permeability tests
Pipe tests
Pressure tests
–Pull tests
–Radiographic inspection
Rock tests
–Shear tests
Soil compression tests
Soil consolidation tests
–Soil tests
Tension tests
Triaxial tests
Ultrasonic tests
Vibration tests
Wetting and drying tests
X-ray inspection
RT –Behavior
Cavitation resistance
–Chemical properties
Compressive strength
Experimental data
–Field tests
Foreign tests
–Inspection
–Laboratories
Laboratory tests
–Materials
Materials engineering
Materials failure
–Measurement
–Mechanical properties
Model tests
Performance tests
–Physical properties
Qualitative analysis
–Quality control
–Quantitative analysis
–Samples
Sonic velocity tests
Specifications
Splitting tensile strength
–Standards
Static tests
Strain measurement
Strain meters
Strain rate
Strength of materials
Stress gages
Stress meters
Stress-strain curves
Test procedures
Test results
Test specimens
–Thermal properties
Yield point
Yield strength

Mathematical analysis 1201
BT –Analysis
–Mathematical studies
–Mathematics
NT –Calculus
Correlation analysis
–Differential equations
Finite differences
Fourier analysis
Frequency analysis
Integrals
–Regression analysis
–Statistical analysis
RT Algorithms
Computer applications
Data reduction
Dimensional analysis
Discontinuities
Finite difference method
Finite element method
Gaussian distribution
Histograms
Integration (mathematics)
Laplace equation
Least squares method
–Mathematical logic
–Mathematical models
Matrix algebra
Matrix methods (structural)
–Methodology
Monte Carlo method
Nomographs
–Numerical analysis
–Operations research
Queueing theory
Relaxation method
Sequential analysis
Series (mathematics)
Time series analysis
–Transformations

Mathematical logic 1201
UF Logic (mathematics)
Symbolic logic
BT –Formal logic
NT Algorithms
RT Computer programming
–Equations
–Mathematical analysis
Reasoning
–Theory

Mathematical models 1201
BT –Models
NT –Statistical models
Stochastic models
RT –Analog models
–Analogs
Computer models
Correlation
Dynamic programming
Finite element method
Game theory
–Hydrologic models
Linear programming
–Mathematical analysis
–Mathematics
–Model studies
Model tests
Monte carlo method
–Operations research
Probability theory
Queueing theory
Risks
Scheduling
Sequential analysis
Simulation
–Stochastic processes
Synthetic hydrology
Systems analysis
Systems engineering

Mathematical studies 1201
NT –Calculus
Correlation analysis
–Differential equations
Finite difference method
Finite element method
Fourier analysis
Least squares method
Leontief models
Markov processes
–Mathematical analysis
Multiple regression
–Numerical analysis
Optimization
–Regression analysis
RT –Analytical techniques
Finite differences

Mathematical studies (Con.)
–Input-output analysis
–Statistical analysis

Mathematical tables 1201
BT –Documentation
–Information
–Tables (data)
RT Data collections
–Numerical analysis
Statistics

Mathematical transformations
USE Transformations

Mathematics 1201
Use of a more specific term is recommended
BT –Sciences
NT –Algebra
–Calculus
–Differential equations
Finite differences
Fourier analysis
Geometry
Integrals
Integration (mathematics)
–Linear algebra
–Mathematical analysis
Matrix algebra
Probability
Series (mathematics)
Statistics
Trigonometry
Vector analysis
RT Calculations
Calculators
–Coefficients
Computer programming
Dynamic programming
–Envelopes
Gaussian distribution
Linear programming
–Mathematical models
Monte Carlo method
–Operations research
Optimization
Problem solving
Queueing theory
Relaxation method
–Statistical analysis
–Statistical models
Time series analysis
–Transformations

Matrix algebra 1201
BT –Algebra
–Linear algebra
–Mathematics
RT Finite difference method
Finite differences
Finite element method
Linear systems
–Mathematical analysis
Matrix methods (structural)
Stiffness matrix
Vector analysis

Matrix methods (structural) 1313.5
BT –Analysis
–Structural analysis
RT Finite difference method
Finite element method
–Mathematical analysis
Matrix algebra
Stiffness matrix
Stress analysis

Mattresses 1303
RT Bank protection
Banks
Concrete linings

Mature growth stage 0603.2
BT –Growth stages
RT Sexual maturity

Maximum probable flood 0808
UF Probable maximum flood
BT –Floods
RT –Dams
Design flood
Estimating
Flood damage
Flood forecasting
Hydrograph analysis
Peak discharge
Peak floods
Probable maximum precipitation
Rainfall-runoff relationships
–Runoff
Spillway design flood
–Spillways
Weather patterns

Mayflies 0603.2
UF Ephemeroptera
BT –Animals
–Insects
–Invertebrates
RT –Aquatic insects
–Benthic fauna
Bioindicators

Meadow management
USE Pasture management

Mean
USE Average

Meandering (stream)
USE Stream meandering

Meanders 0808
RT Alluvial channels
Alluvial streams
Banks
–Beds
Braiding
–Channels
–Discharge (water)
Flood plains
–Fluvial morphology
Geomorphology
–Rivers
River training
–Sediment load
Stream erosion
Stream meandering
–Streams
Stream stabilization

Mean diameter 1407
RT Average
–Dimensions
Geometry
Grain shapes
Grain sizes
Median diameter
–Size
–Statistical analysis

Mean sea level
USE Sea level

Measurement 1407
NT Discharge measurement
Flow measurement
–Metering
Strain measurement
–Water measurement
RT Accuracy
Automation
Average
Bathymetry
Calibrations
–Census
Data collections
–Dimensions
Estimating
–Evaluation
–Forecasting
Foreign tests
Geodesy
Gravimetry
Hydrography
Hydrometry
–Hygrometry
–Instrumentation
Lake morphometry
Length
–Materials tests
–Measuring instruments
Metric system
Metrology
Monitoring
Piezometry
–Pressure measuring instruments
Product evaluation
–Properties
Reaches (distance)
Remote sensing
–Sampling
Second order surveys
Sieve analysis
Statistics
–Strain gages
–Surveying
Surveying instruments
–Surveys
Survey stations
Telemetry
–Temperature sensors
Test procedures
–Tests
Thermographs
–Water levels
Work

Measuring instruments 1402
UF Instruments (measuring)
BT –Equipment
–Instrumentation
NT Accelerometers
Altimeters
Ammeters
–Anemometers
Barometers
Calorimeters
Chronometers
–Clocks
Current meters
–Densimeters
Dial gages
Dynamometers
–Electric bridges
Evapotranspirometers
Extensometers
–Flowmeters
–Gages
Galvanometers
Geiger counters
Geodimeters
Gravimeters
Hot film anemometers
Hot wire anemometers
Hydrometers
Inclinometers
Interferometers
Liquid level gages
Lysimeters
Magnetometers
Manometers
–Meters
Micrometers
–Moisture meters
Neutron counters
Nuclear density meters
Nuclear moisture meters
Ohmmeters
Orifice meters
Oscillographs
Oscilloscopes
Penetrometers
Permeameters
Photometers
–Piezometers
Plumblines
Porous tube piezometers
Potentiometers
–Precipitation gages
Pressure cells
–Pressure gages
–Pressure measuring instruments
Propeller meters
–Radiation detectors
–Radiation measurement
–Radiation measuring equipment
Radiometers
Radiosondes
Rain gages
Rotating meters
Salinity meters
Scintillation counters
Seismographs
Sextants
Slope indicators
Snow gages
Soil moisture meters
Soniscopes
Spectrometers
Staff gages
–Strain gages
Strain meters
Stream gages
Stress gages
Stress meters
Tellurometers
–Temperature sensors
Tensiometers
Thermocouples
Thermographs
Thermometers
Tiltmeters
Turbidimeters
–Velocity meters
Venturi meters
Viscometers
Voltmeters
Volumetric meters
Water meters
Wattmeters
Weir gages
Wheatstone bridge
RT –Acoustic equipment
Calibrations
–Counters
Depth recorders
Direction finding
–Indicators
Laboratory equipment
–Logging (recording)
–Measurement
–Meteorological instruments
Metrology
–Optical instruments
Piezoelectric transducers
Pneumatic systems
–Probes (instruments)
–Recording systems
–Sensors
Strain measurement
–Tapes
Telemetry
Telemetry systems
–Test equipment
Test machines
Theodolites
–Water measurement
Work

Mechanical analysis 1402
BT –Analysis
NT Sieve analysis
RT –Aggregates
Gradation
–Gradation analysis
Grain sizes
Laboratory tests
Sieves
Soil classifications
–Soil physical properties
–Soil tests

Mechanical control 1402
BT –Control
–Physical control
RT Aquatic weed control
Automatic control
Cams
Clutches (mechanical)
Control systems
Cultural control
–Equipment
Integrated control measures
Manual control
Materials control
Mechanical equipment
–Pest control
Variable-speed drives
–Weed control

Mechanical engineering 1309.1
Use of a more specific term is recommended
UF Engineers (mechanical)
Mechanical engineers
BT –Engineering
RT –Civil engineering
–Equipment
Hydraulic engineering
–Hydraulic machinery
Machine design
–Maintenance
Marine engineering
Nuclear engineering
Space engineering
–Thermodynamics

Mechanical engineers
USE Mechanical engineering

Mechanical equipment 1309
BT –Equipment
RT –Cranes (hoists)
–Earth handling equipment
Gate hoists
–Hoisting machinery
–Hydraulic machinery
–Hydraulic turbines
–Instrumentation
Jigs
–Machines
–Maintenance
Maintenance equipment

Mechanical equipment (Con.)
Mechanical control
Obsolete equipment
–Pumps
–Transportation
Universal joints

Mechanical fasteners 1305
UF Fasteners (mechanical)
BT –Fasteners
NT Anchor bolts
–Anchors
–Bolts
Dowels
Nails
–Pins (mechanical)
–Rock bolts
Roof bolts
Screws
RT Adapters
Chains
Clamps
–Couplings
–Fittings
Hooks
Riveted joints
Spacers
Straps
Studs
–Wire
Wire rope

Mechanical insulation 1107
BT –Insulation
NT Acoustic insulation
RT Asbestos
Glass fibers
Perlite
Pipe wrappings
Vermiculite

Mechanical jacks
USE Jacks (mechanical)

Mechanical properties 1407
BT –Properties
NT Abrasion resistance
Bearing strength
Bonding strength
Brittleness
Cavitation resistance
Cohesion
Cohesive strength
Compressibility
Compressive strength
Corrosion resistance
Creep
–Deformation
Deformation modulus
Ductility
–Durability
Elastic deformation
Elasticity (mechanical)
Elastic limit
Elongation
–Expansion
External friction
Fatigue (materials)
Flexibility
Flexural strength
Fluid friction
Freeze-thaw durability
–Friction
Friction coefficient (mechanical)
Hardness
Internal friction
Modulus of elasticity
Negative friction
Notch effect
Photoelasticity
Plastic deformation
Plastic failure
–Plasticity
Plasticity index
Plastic limits
Poisson ratio
Positive friction
Rebound
Residual stress
Resilience
Rigidity
Rupture modulus
Shear modulus
Shear resistance
Shear strength
Skin friction
Soil plasticity
Solid friction
Splitting tensile strength
Stiffness
–Strength
–Tensile properties
–Tensile strength
Thermal expansion
Toughness
Ultimate tensile strength
Viscoelasticity
Viscosity
Wall friction
–Wear resistance
Workability
Yield strength
RT –Acoustics
Adhesion
Anisotropy
–Chemical properties
Compression curves
Concrete properties
–Damping
Design strength
Dilatation
Dilation
–Failure (mechanics)
–Hardening
High strength steels
Hysteresis
Isotropy
–Kinetics
–Loads (forces)
–Magnetic properties
–Materials tests
Metallurgy
Peeling
–Physical properties
Piezoelectricity
–Quality control
Resonance
Rheology
Rock mechanics
Rock properties
Rock tests
–Settlement (structural)
–Shear
–Soil properties
Solids
Specifications
–Stability
–Strain
Strain energy
Strength of materials
–Stress
Stress-strain curves
Structural behavior
–Structural stability
–Surface properties
Surface tension
–Tension
–Thermal properties
Turbulence
Water properties
Wedges

Mechanical springs
USE Springs (mechanical)

Mechanical waves 2011
BT –Periodic variations
–Waves
NT Bores (wave)
Cavitation noise
–Elastic waves
Longitudinal waves
–Microseisms
–Noise (sound)
–Ocean waves
Rock noise
Roll waves
–Sound waves
–Waves (water)
RT –Acoustics
Pulsating flow
Pulses
Resonance
Shear waves
Stress waves
–Surges
Transverse waves
Underwater acoustics
–Vibration
Wave action
Wave energy
Waveforms
Wave generation
Wave height
Wavelength
Wave period
Wave propagation
Wave velocity
Wind tides

Mechanics 2011
Use of a more specific term is recommended
BT –Physics
NT –Engineering mechanics
–Fluid mechanics
–Hydraulics
Hydrostatics
Soil mechanics
–Statics
RT –Dynamics
Elastic theory
Finite difference method
Finite differences
Finite element method
–Fluid dynamics
Kinetic energy
–Kinetics
Machine design
–Machines
Momentum
Plastic theory
Potential energy
Solid state physics
Structural engineering

Mechanization 1309
RT Automatic control
Automation
Cost savings
Labor savings
–Machines
Remote control

Median
USE Average

Median diameter 1407
RT Average
–Dimensions
Geometry
Grain shapes
Grain sizes
Mean diameter
–Size
–Statistical analysis

Medicago sativa
USE Alfalfa

Medicine 0605
BT –Sciences
RT Bactericides
–Biology
Dosage
Drugs
First aid
–Health
Hospitals
Public health
–Viruses

Melanitta deglandi
USE White-winged scoter

Melons 0204
UF Citrullus vulgaris
Cucumis melo
Muskmelon
Watermelon
BT –Crops
–Dicots
–Fruit crops
–Horticultural crops
–Plants (botany)
–Stone fruits
–Vine crops

Melting 0704
RT Ablation
–Cooling
Deicers
Deicing
Floating ice
–Freezing
Frost action
Fusion
–Heating
–Ice
Ice breakup
Ice jams
Latent heat
–Liquefaction
Liquids
–Melt water
Metallurgy
Phase diagrams
Precooling
Preheating
Regimen
–Separation
Slush
Snowmelt
Solidification
–Temperature
Thawing
–Thermal properties

Melt water 0808
BT –Fresh water
–Water
NT Snowmelt
RT Glaciers
–Ice
Melting
–Snow
Snow management

Membrane analogy
USE Stress analysis

Membrane processes 0701
BT –Separation techniques
NT –Dialysis
Electrodialysis
Electroosmosis
–Osmosis
Reverse osmosis
Transport depletion
RT Brackish water
–Demineralization
Desalination processes
Impervious membranes
Ion diffusion
–Ion exchange
Mass transfer
–Membranes
Permselective membranes
–Saline water
Semipermeable membranes
–Waste treatment
–Water treatment

Membranes 1107
NT Asphalt membranes
Biological membranes
Buried membranes
Impervious membranes
Permselective membranes
Pervious membranes
Semipermeable membranes
RT –Absorption
–Dialysis
Diaphragms (mechanics)
–Films
–Filters
Flexible linings
–Fluid filters
Impervious linings
–Ion exchange
–Lined canals
–Membrane processes
Meus-membrane filters
Monomolecular films
–Osmosis
Permeability
–Placing
Polarization
Reverse osmosis
Sheets
Slope protection
Thin films

Memory 0510
(excludes computer storage devices)
RT –Education
Learning
–Training

Memory (computer)
USE Computer storage devices

Mercury (metal) 0702
BT –Chemical elements
–Metals
RT Mercury compounds
Superconductors

Mercury compounds 0702 0703
BT –Chemical compounds
RT Mercury (metal)

Merganser duck (common)
USE Common merganser duck

Mergus merganser
USE Common merganser duck

Merion bluegrass 0603.1
BT —Bluegrasses
—Crops
—Grasses
—Monocots
—Plants (botany)
—Turf grasses
RT Kentucky bluegrass

Meromixis 0808
RT —Lakes
—Reservoirs
Seasonal
Turnovers
—Water circulation

Mesh reinforcement 1303
BT —Construction materials
—Reinforcement
RT —Bars
Concrete pavements
—Concretes
—Engineering structures
Prestressed concrete
—Reinforced concrete
—Reinforcing materials
—Reinforcing steels

Mesozoic era 0807
BT —Geologic time

Mesquite 0603.1
BT —Brush
—Crops
—Dicots
—Horticultural crops
—Phreatophytes
—Plants (botany)
RT Chaparral
—Desert plants
Range management
—Weed control

Metabolism 0616
NT Animal metabolism
RT —Animal physiology
Biochemical oxygen demand
Biochemistry
—Biology
Cytological studies
—Diets
—Digestion
Growing period
—Growth stages
Inhibitors
Mode of action
Nutrient requirements
—Plant growth
Plant growth regulators
Plant growth substances
Plant physiology
—Proteins
Respiration
Salt tolerance
—Vitamins

Metal coatings 1103
UF Flame sprays
Metallizing
BT —Coatings
RT Anodizing
Cavitation resistance
Cladding
—Corrosion
—Corrosion control
Deposition
—Galvanic corrosion
Galvanizing
Lacquers
Metallurgy
—Metals
—Paints
Plating
Primers (coatings)
—Protective coatings

Metal detectors 1711
BT —Detectors
—Equipment
—Instrumentation
RT —Buried pipes
—Detection
Magnetic fields
—Magnetic materials
—Metals

Metallizing
USE Metal coatings

Metallurgy 1106
RT —Alloys
Blast furnaces
Bronzes
—Heat treatment
Low alloy steels
Low carbon steel
—Mechanical properties
Melting
Metal coatings
—Metals
Metals treatment
Microstructure
Ores
Phase diagrams
Stainless steel
—Steel

Metal organic pesticides 0606
BT —Chemicals
—Organic compounds
—Organic pesticides
—Pesticides

Metal pipes 1311
BT —Closed conduits
—Conduits
—Conveyance structures
—Hydraulic structures
—Pipes
—Rigid tubing
—Tubes
RT —Conveyance structures
—Engineering structures
—Hydraulic structures
—Metals
Rigid pipes
Stainless steel
—Steel

Metals 0702 1106
BT —Chemical elements
—Materials
NT —Alkali metals
—Alkaline earth metals
—Alloys
Aluminum
Aluminum alloys
Barium
Bronzes
Cadmium
Cadmium alloys
Carbon alloys
Carbon steels
—Castings
Cast iron
Cast steel
Cesium
Chromium
Chromium alloys
Cobalt
Cobalt alloys
Cold-rolled steel
Copper
—Copper alloys
Ferrites
Germanium alloys
Gold
—Heavy metals
High strength steels
—Iron
—Iron alloys
Lead (element)
Lead alloys
Lithium
Lithium alloys
Low alloy steels
Low carbon steel
Magnesium
Magnesium alloys
Manganese
Manganese alloys
Mercury (metal)
Molybdenum
Molybdenum alloys
Nickel
Nickel alloys
Niobium
Niobium alloys
Phosphorus alloys
Platinum
Platinum alloys
—Plutonium
Plutonium radioisotopes
—Potassium
Potassium alloys
Potassium radioisotopes
Prestressed steel
—Radium
Radium radioisotopes
—Refractory metals
—Reinforcing steels
Selenium alloys
Silicon alloys
Silver
Silver alloys
Sodium
Sodium alloys
Sodium radioisotopes
Stainless steel
—Steel
Structural steel
Tin
—Tin alloys
Titanium
Titanium alloys
Tungsten
Tungsten alloys
Vanadium
Vanadium alloys
Wrought iron
Zinc
—Zinc alloys
RT Blast furnaces
—Building materials
Buried metalwork
Cavitation resistance
—Construction materials
Flexible tubing
Metal coatings
Metal detectors
Metallurgy
Metal pipes
Metals treatment
—Metal tests
—Metalwork
—Nonmetals
Ores
Roofing materials

Metals treatment 1106
RT —Heat treatment
Metallurgy
—Metals
Quenching
Stress relieving

Metal tests 1402
BT —Materials tests
—Tests
NT Fatigue tests
Hardness tests
Impact tests
Notch tests
RT —Environmental tests
High temperature research
—Metals
—Shear tests
Static tests
Strength of materials
Test specimens

Metalwork 1303
NT Buried metalwork
Embedded metal
RT Air conditioning
Architecture
Ducts
—Heating
Liner plates
—Metals
Structural engineering
Structural steel

Metamorphic rocks 0807
BT —Crystalline rocks
—Rocks
NT Gneiss
Marble
Quartzite
Schist
Slate
RT —Geologic formations
—Geology
—Igneous rocks
—In situ rock
—Petrography
—Petrology
—Sedimentary rocks

Meteoric water 0807
UF Atmospheric water
BT —Water types
NT Precipitable water
RT —Atmosphere
—Clouds
—Condensation
Connate water
—Evaporation
—Evapotranspiration
Extraterrestrial hydrology
—Geology
Hydrologic cycle
Juvenile water
Lake breezes
—Precipitation (atmospheric)
Sea breezes
Transpiration
—Vadose water

Meteorites 0301
RT —Astronomical bodies
Meteors

Meteorological data 0402
UF Meteorological observations
BT —Information
RT —Atmosphere
Climatic data
—Condensation
Data collections
—Meteorology
Microclimatology
Microenvironment
Synoptic analysis
—Tables (data)
Temperature inversions
Weather data
Weather maps
Wind speed

Meteorological instruments 0402
UF Instruments (meteorological)
NT —Anemometers
Barometers
Hot film anemometers
Hot wire anemometers
Rain gages
Snow gages
RT —Indicators
—Measuring instruments
Meteorological radar
Meteorological satellites
—Meteorology
Pitot spheres
—Pitot tubes
—Radiation detectors
—Radiation measurement
—Radiation measuring equipment
Radiosondes
—Recording systems
—Transducers
Weather stations

Meteorological observations
USE Meteorological data

Meteorological radar 0402
UF Weather radar
BT —Radar
RT —Electronic equipment
—Meteorological instruments
Weather forecasting
Weather patterns

Meteorological satellites 0402
BT —Satellites (artificial)
RT —Meteorological instruments
Weather forecasting
Weather stations

Meteorology 0402
NT —Atmospheric physics
Cloud physics
Hydrometeorology
Micrometeorology
RT Air currents
—Air masses
Air temperature
Anticyclones
—Atmosphere
Atmospheric pressure
Atmospheric research
Ceilings (meteorology)
Chemistry of precipitation
Climatic data
—Climatology
Cloud models
Cloud modification
—Clouds
Cold climates
—Cold regions
—Condensation
Convection clouds
Cumulonimbus clouds
Cyclones
Distribution patterns

Meteorology (Con.)
–Evaporation
–Evapotranspiration
Fronts (atmospheric)
–Geology
Humidity
–Hydrologic aspects
Hydrologic cycle
–Hydrology
–Hydrometeorological station
–Intensity
International geophysical year
Lightning
–Mass wasting
Meteorological data
–Meteorological instruments
Ocean circulation
Orographic clouds
Orographic precipitation
Orography
Precipitable water
–Precipitation (atmospheric)
Probable maximum precipitation
–Radiation
Radiosondes
Rainfall intensity
Rime
–Satellites (artificial)
Solar radiation
–Storms
Storm structure
Synoptic analysis
–Temperature
Transpiration
–Tropical cyclones
–Water supply forecasting
Weather
Weather data
Weather forecasting
–Weather modification
Weather patterns
–Wind (meteorology)
Wind velocity

Meteors 0401
RT –Astronomical bodies
Astronomy
Meteorites

Metergates 1402
BT –Gates
RT Calibrations
Flow measurement
Slide gates
Staff gages
Submerged orifices
Turnout gates

Metering 1402
BT –Measurement
NT –Hygrometry
Psychrometrics
Water metering
RT –Detection
Discharge measurement
Flow measurement
–Instrumentation
–Water measurement

Meters 1402
BT –Equipment
–Instrumentation
–Measuring instruments
NT Ammeters
Current meters
–Densimeters
Extensometers
–Flowmeters
Hydrometers
Inclinometers
Nuclear density meters
Ohmmeters
Orifice meters
Penetrometers
–Piezometers
Porous tube piezometers
Potentiometers
Propeller meters
Salinity meters
Strain meters
Stress meters
Tensiometers
Tiltmeters
Turbidimeters
–Velocity meters
Venturi meters
Viscometers
Voltmeters
Volumetric meters
Water meters
Wattmeters
RT Depth recorders
–Detectors
–Indicators
Laboratory equipment
–Probes (instruments)
–Sensors
–Test equipment

Metes and bounds
USE Boundaries (property)

Methane 0703
BT –Gases
RT Methane bacteria
–Mines

Methane bacteria 0613
BT –Bacteria
–Microorganisms
–Plants (botany)
RT –Aerobic bacteria
–Anaerobic bacteria
Methane
–Nitrogen fixing bacteria
Sewage bacteria
Sludge digestion

Methodology 1407
BT –Formal logic
NT –Application methods
Critical path method
Least squares method
Monte Carlo method
–Procedures
Relaxation method
Scientific method
Test procedures
RT –Analytical techniques
Decision making
Design practices
–Instruction
Management planning
Manuals
–Mathematical analysis
Organizing
–Planning
Rapid compaction control
–Standards
–Statistical analysis
Systems analysis
Technology

Methods of application
USE Application methods

Metric system 1407
RT –Measurement
Metrology

Metrology 1402 1407
RT Distance
–Measurement
–Measuring instruments
Metric system
–Weight

Metropolitan studies
USE Cities

Metropolitan wastes
USE Municipal wastes

Meus-membrane filters 1402
BT –Filters
RT –Analytical techniques
–Membranes

Mexican duck 0603.2
UF Anas diazi
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Mica 0807
BT –Minerals
RT Illite
Vermiculite

Michigan 0806
BT –Geographical regions
–States (geographical)

Microbiology 0613
NT Aquatic microbiology
Soil microbiology
RT –Bacteria
–Biology
Botulism
Cultures
–Diseases
–Fungi
–Microorganisms
Nematodes
Public health
–Viruses

Microclimatology 0402
BT –Climatology
RT –Condensation
Meteorological data
Microenvironment
Micrometeorology

Microenvironment 1407
BT –Environments
RT Air circulation
Air-earth interfaces
–Air pollution
Air temperature
Air-water interfaces
Atmospheric pressure
–Biological properties
Boundary processes
Canopy
Circulation (animals)
Circulation (plants)
Competition
–Condensation
–Currents (water)
Dew
Diurnal
–Earth-water interfaces
–Environmental effects
–Evaporation
–Evapotranspiration
Frost heaving
–Heaving
Humidity
Hydrologic cycle
Hydrostatic pressure
–Interfaces
Meteorological data
Microclimatology
Micrometeorology
–Movement
Orography
Photoperiodism
Planting management
Rain
Rhizosphere
Seasonal
–Snow
Soil contamination
Soil environment
Soil temperature
–Soil types
–Soil water
–Storms
Synoptic analysis
Thermoperiodism
Transpiration
–Water pollution
Water temperature
Weather data
Weathering
–Wind (meteorology)

Microfauna
USE Microorganisms

Microfilm 1405
BT –Microphotography
–Photography
RT Data collections
Data retrieval
Data storage
–Photographic equipment
–Photographs
Reproduction (copying)

Microflora
USE Microorganisms

Micrometeorology 0402
BT –Meteorology
RT Microclimatology
Microenvironment

Micrometers 1402
BT –Equipment
–Instrumentation
–Measuring instruments
–Test equipment

Microorganisms 0613
UF Microfauna
Microflora
NT Acid bacteria
Actinomycetes
–Aerobic bacteria
–Anaerobic bacteria
–Aquatic bacteria
–Aquatic fungi
–Aquatic microorganisms
Azotobacter
–Bacteria
Bacteriophage
Beggiatoa
Clostridium
–Coliforms
Dinoflagellates
E. coli
–Enteric bacteria
Euglena
–Euglenophyta
Ferrobacillus
–Iron bacteria
Lactobacillus
Marine bacteria
Marine fungi
–Marine microorganisms
Methane bacteria
Molds
Mycobacterium
Myxobacteria
–Nannoplankton
–Nitrogen fixing bacteria
Ochromonas
Pathogenic bacteria
Pathogenic fungi
Photosynthetic bacteria
Plant viruses
Protozoa
Pseudomonas
Rhodophyta
Rotifers
Salmonella
Sewage bacteria
Shigella
Soil algae
–Soil bacteria
Soil fungi
–Soil microorganisms
Sphaerotilus
Streptococcus
–Sulfate reducing bacteria
Thermophilic bacteria
Thiobacillus ferrooxidans
Verticillium
–Viruses
Yeasts
RT –Algae
–Animals
–Biology
Biota
–Fungi
–Industrial waste treatment
–Microbiology
–Plants (botany)
Vectors (biology)
Waste stabilization ponds

Microphones 0905
RT –Acoustic equipment
Hydrophones
Telephones
–Transmitters

Microphotography 1405
BT –Photography
NT Microfilm
RT Data storage
–Photographic equipment
–Photographs

Micropterus species
USE Bass

Microscopes 1402
BT –Instrumentation
–Optical instruments
RT Electron microscopy
Laboratory equipment
Lenses (optical)
–Microscopy

Microscopes (electron)
USE Electron microscopy

Microscopy 1402
BT –Analytical techniques
NT Electron microscopy
RT –Chemical analysis

Microscopy (Con.)
Crystallography
Microscopes
Microstructure
Mineral analysis
-Optical measurement
-Optical properties
Petrofabrics
Petrographic investigations
-Petrography
Qualitative analysis

Microscopy (electron)
USE Electron microscopy

Microseisms 0807
BT -Elastic waves
-Mechanical waves
-Seismic waves
-Waves
NT Rock noise
RT Cracking
Rock pressures
Seismic investigations
Seismographs
Seismology
Underground explosions

Microstructure 1106
RT -Crystals
Ferrites
-Fractures
Grain shapes
Grain structure (metals)
-Hardening
-Heat treatment
Metallurgy
-Microscopy

Microwaves 2014
BT -Electromagnetic waves
-Radio waves
-Waves
RT Antennas
Masers
Protective relaying
-Radiation
Radio communication systems
Radio reception
Supervisory control (power)
Telemetry systems
-Television
Wavelength

Midges 0603.2
UF Ceratopogonids
Tendipes plumosus
BT -Animals
-Diptera
-Insects
-Invertebrates
RT -Aquatic insects

Migrant labor
USE Labor mobility

Migration 0510
UF Emigration
NT Diel migration
Fish migration
Vertical migration
RT -Animal behavior
-Birds
Dispersion
Distribution patterns
Diurnal
-Ecology
-Environmental effects
Fish behavior
-Fisheries
Labor mobility
-Life cycles
Life expectancy
Life history studies
-Movement
-Plants (botany)
-Population
Population growth
Seasonal
Social mobility
-Succession
-Weeds

Migration patterns 0510
RT Diel migration
Diurnal distribution
-Migratory birds
Overwintering sites
Spatial distribution
Temporal distribution

Migratory birds 0603.2
BT -Animals
-Birds
-Wildlife
NT American widgeon
Barrows goldeneye duck
Black brant
Black duck
Blue goose
Blue-winged teal
Brant
Bufflehead duck
Canada goose
Canvasback duck
Coastal diving ducks
Common eider duck
Common goldeneye duck
Common merganser duck
Common teal
-Ducks (wild)
Emperor goose
European widgeon
Fulvous tree duck
Gadwall duck
-Geese (wild)
Greater scaup duck
Green-winged teal
Lesser scaup duck
Mallard duck
Mexican duck
Mottled ducks
Oldsquaw duck
Pintail ducks
Puddleducks
Redhead duck
Ring-necked duck
Ruddy duck
Shoveler duck
Snow goose
Stellers eider duck
White-fronted goose
White-winged scoter
Wood duck
RT Animal groupings
Bird types
Fish and wildlife
Game birds
Gulls
Migration patterns
-Non-game birds
Non-migratory birds
Nuisance birds
Overwintering sites
Shore birds
Song birds
-Water birds
-Waterfowl

Mildews 0603.1
RT -Diseases
Epiphytology
-Plant diseases

Military 1500
RT Army
Logistics
-National defense
Navy

Military aspects 1500
RT Biological warfare
Chemical warfare
-Civil engineering
Military reservations
Naval architecture
Navigation
Submarines
Terrain analysis

Military reservations 0504
BT -Federal reservations
-Public land
RT Military aspects

Milk 0608
RT Caseins
Dairy industry

Mill dams 1313.1
BT -Dams
RT Artificial use
-Concrete structures
-Riparian rights

Milling machines 1309
BT -Machine tools
RT Boring machines
-Grinders
Machining

Mills 1309
BT -Industrial plants
NT Ball mills
Rod mills
Saw mills
RT -Buildings
-Facilities
Mineral industry
-Mixers
-Structures

Mill scale 1106
RT -Corrosion
Scale (corrosion)

Mine acids 0809
BT -Acids
-Chemicals
RT -Acidic water
Acid mine water
Coal mines
Coal mine wastes
Disposal wells
Mine drainage
-Mines
-Mine wastes
-Mine water
-Mining
Water pollution sources

Mine drainage 0809
UF Acid mine drainage
Mine hydrology
BT -Drainage
RT Acid mine water
Acid streams
Deep-well pumping
Disposal wells
Groundwater movement
Hydraulic mining
Hydraulic transportation
Mine acids
-Mines
-Mine wastes
-Mine water
-Mining
Mining engineering
Shafts (mining)

Mine hydrology
USE Mine drainage

Mineral analysis 0807
BT -Analysis
RT -Chemical analysis
Crystallography
Differential thermal analysis
-Fluorescence
-Microscopy
Mineral content
Mineral industry
Mineralogy
-Minerals
Petrographic investigations
-Petrography
-Petrology
X-ray diffraction
X-ray fluorescence

Mineral content 0807
RT -Cements
-Chemical analysis
Dissolved solids
-Industrial wastes
Mineral analysis
Mineralogy
-Minerals
Mineral water
Ores
-Petrography
-Petrology
-Rocks
Soil analysis
-Soils
Water analysis
-Water quality

Mineral industry 1308
BT -Industries
RT Ball mills
Hydraulic mine-filling
Hydraulic transportation
-Mills
Mineral analysis
-Mines
-Mining
-Open pit mining

Mineral needs
USE Nutrient requirements

Mineralogy 0807
BT -Geology
RT Crystallography
-Crystals
-Geochemistry
Mineral analysis
Mineral content
-Minerals
Petrographic investigations
-Petrography
-Petrology
-Rocks
Sedimentology
-Silicates
Soil science

Minerals 0807
NT Anhydrite
Beidellite
Calcite
-Carbonate minerals
-Clay minerals
Diamonds
Dolomite
Feldspars
Graphite
Gypsum
Illite
Kaolinite
Mica
-Montmorillonite
Perlite
Pyrite
Quartz
Serpentine
Talc
Travertine
Vermiculite
Zeolites
RT -Beneficiation
-Crystals
-Inorganic compounds
Land resources
Mineral analysis
Mineral content
Mineralogy
-Mines
-Nonmetals
Ores
-Petrography
Petroleum
-Rocks
Soil aggregates
Soil components

Mineral water 0807
BT -Water types
RT Brackish water
Geysers
-Hot springs
Mineral content
Saline groundwater
Saline lakes
-Saline water
Salinity
-Salts
-Springs (water)
-Thermal springs
Thermal water
Warm springs

Miners inch 2004
BT -Water measurement
RT Discharge measurement
-Fluid flow
-Irrigation
Placer mining

Mines 0809
NT Coal mines
Quarries
RT Copper
-Drift
Drift mining
Exploitation
-Exploration
Gold
-Hoisting machinery
Hydraulic mining
Lagging
Land subsidence
Materials handling
Methane
Mine acids
Mine drainage
Mineral industry

Mines (Con.)
—Minerals
—Mine wastes
—Mine water
—Mining
Mining engineering
—Open pit mining
Ores
Panning
—Pits
Placer mining
Quarrying
—Rocks
—Safety
Shafts (mining)
Stopes
—Subsidence
Timbers
Underground openings
Ventilation

Mine wastes 0809
BT —Industrial wastes
—Wastes
NT Coal mine wastes
Strip mine wastes
RT Acid bacteria
Acid mine water
Acid streams
—Aerobic bacteria
Chemical wastes
—Iron bacteria
Mine acids
Mine drainage
—Mines
—Mine water
—Mining
Muck
—Open pit mining
Shafts (mining)
Spoil
—Waste dumps
Water pollution sources

Mine water 0809
BT —Water
NT Acid mine water
RT Deep-well pumping
Dewatering
Hydraulic mining water
Inflow
Mine acids
Mine drainage
—Mines
—Mine wastes
—Mining
Recirculated water
Shafts (mining)
Waste water
Waste water (pollution)
Water pollution sources

Minimum weight design 1313.5
BT —Design
—Structural design
RT Design practices
Optimum design
—Structural members
—Weight

Minimum weight theory 1313.5
BT —Theory
RT —Structural design
—Weight

Mining 0809
NT Drift mining
Groundwater mining
Hydraulic mining
—Open pit mining
Panning
Placer mining
Quarrying
RT Acid mine water
—Blasting
Coal mines
—Drilling equipment
—Earth handling equipment
—Excavation
—Excavators
Exploitation
—Exploration
—Explosive excavation
—Explosives
Geiger counters
—Grouting
—Industrial wastes
Locomotives
Materials handling
Mine acids
Mine drainage
Mineral industry
—Mines
—Mine wastes
—Mine water
Mining engineering
Ores
Percussion drilling
Quarries
Rock mechanics
Rock pressures
Shafts (mining)
Smooth wall blasting
Spoil
Stopes
Strip mines
—Subsidence
Timbers
—Tunnel construction
Underground
Underground explosions
—Waste dumps

Mining engineering 0809
UF Engineers (mining)
Mining engineers
BT —Engineering
RT Air circulation
—Beneficiation
—Civil engineering
Coal mines
—Exploration
Industrial engineering
Mine drainage
—Mines
—Mining
—Open pit mining
Overburden
Relief vaults
—Safety
Shafts (mining)
Tunnel design
—Tunnels
—Waste disposal
—Water tunnels (conveyance)

Mining engineers
USE Mining engineering

Mining shafts
USE Shafts (mining)

Mink 0603.2
BT —Animals
—Furbearers
—Mammals
—Small animals (mammals)
—Wildlife

Minnesota 0806
BT —Corn belt
—Geographical regions
—States (geographical)

Minnows 0603.2
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Wildlife
RT Bait fishing
Baits
Carp
Killifishes

Minor structures
USE Small structures

Mirrors 2006
RT —Optical instruments
Reflection

Mississippi 0806
BT —Coastal plains
—Geographical regions
—States (geographical)

Missouri 0806
BT —Corn belt
—Geographical regions
—States (geographical)

Mist 0402
RT Aerosols
—Application methods
—Fog
Haze
Humidity
Mist irrigation
Particles
Rain
Raindrops
Smog
—Water vapor

Mist irrigation 0203.1
BT —Gravity irrigation
—Irrigation
—Irrigation systems
RT Mist
Sprays

Miter gates 1313.7
BT —Gates
—Hydraulic gates
RT Gate control
Gate seals
Hinged structures
Lock gates
Locks (waterways)
Sluices

Mites 0603.2
BT —Animals
—Invertebrates
RT Acaricides
—Aquatic insects
Entomology
—Insects
Thermophilic animals

Mixed flow pumps 1307.1
BT —Hydraulic machinery
—Machines
—Pumps
RT Centrifugal pumps
Deriaz pump turbine
—Pumping
Pumping plants
Pump tests
—Rotary pumps

Mixed forests 0206
BT —Forests
RT Coniferous forests
Deciduous forests
—Succession

Mixers 1309
(excludes mixing circuits)
BT —Construction equipment
—Equipment
NT Transit mixers
RT Asphalt plants
Blades
Carburetors
Centrifuges
Concrete control
Concrete mixes
Concrete plants
—Concrete technology
Diffusers
Drums
Emulsifiers
Feeders
Laboratory equipment
—Mills
Mixing
—Mixtures
Plowing

Mixes
USE Mixtures

Mixing 1308
RT Accelerating (chemistry)
Aeration
Batching
—Circulation
Concrete mixes
Convection
—Diffusion
—Dilution
Dispersion
—Emulsions
—Entrainment
Formulation
Jet diffusion
—Mixers
—Mixtures
—Movement
—Processing
Rotational flow
—Separation
Slurries
Solubility
Spraying
Suspension
Turbulence
Water treatment plants

Mixing length 1402
RT Aeration
Chemical dilution method
—Circulation
—Colloids
Convection
—Diffusion
Discharge measurement
Dispersion
Eddies
Estuaries
Flow measurement
Radioactive tracers
Reynolds number
Saline water-freshwater interfaces
Salt velocity method
Slurries
Suspension
Turbulent flow
Vortices
Waste dilution

Mixtures 0704
UF Mixes
NT Lime soil mixtures
Slurries
RT Compatibility
Concrete mixes
—Emulsions
—Fog
Formulation
Heterogeneity
—Mixers
Mixing
—Paints
Smog
Smoke
Solubility
Suspended solids

Mobile equipment 1505
RT Airborne equipment
—Augers
—Compaction equipment
—Construction equipment
—Cranes (hoists)
Draglines
—Drills
—Excavators
Field laboratories
Loaders
Mobile laboratories
Mobile substations
Pneumatic tired rollers
—Rollers
Tamping rollers

Mobile laboratories 1402
BT —Laboratories
—Test facilities
RT Airborne equipment
Mobile equipment

Mobile substations 0903
RT —Circuit breakers
Electric power distribution
—Electric switches
Mobile equipment
—Power transformers
—Transmission (electrical)
—Transmission lines

Models 1402
NT —Analog models
Aquifer model
Computer models
Fixed-bed models
—Hydraulic models
—Hydrologic models
—Mathematical models
Movable bed models
Resistance networks
—Statistical models
Stochastic models
Structural models
RT Analog computers
—Analogs
Design tools
Dimensional analysis
Electric analogs
Laboratory equipment
—Model studies
Model tests
Pilot plants
Prototypes
Scale (ratio)

USE = Use preferred term; UF = Used for; BT = Broader term; NT = Narrower term; RT = Related term.

Models (Con.)
Scale effect
–Similitude
Simulation
–Test equipment
–Test facilities
–Tests
Wind tunnels

Model studies 1402
UF Physical models
NT –Analog models
Aquifer model
Computer models
Fixed-bed models
–Hydraulic models
–Hydrologic models
Leontief models
Movable bed models
Resistance networks
–Statistical models
RT –Analytical techniques
–Design
–Environmental tests
Flow nets
Foreign tests
Hydraulic similitude
Hydrologic data
–Mathematical models
–Models
Model tests
Photoelasticity
Prototype tests
–Research and development
Research facilities
Scale effect
–Similitude
Structural models
Synthesis
–Tests
Theoretical analysis

Model tests 1402
BT –Tests
RT –Analog models
Computer models
Experimental data
–Hydraulic models
Hydraulic similitude
Laboratory tests
–Materials tests
–Mathematical models
–Models
–Model studies
Movable bed models
Photoelasticity
Prototype tests
–Similitude
Simulation
–Soil tests
Static tests
Structural models
–Test facilities
Test procedures
Theoretical analysis
Wind tunnels

Mode of action 0603
RT –Animal physiology
–Biodegradation
–Metabolism
Phytotoxicity
Plant physiology
Selectivity
Translocation

Modulation 2014
NT Amplitude modulation
Frequency modulation
RT Carrier-current
–Radio waves

Modulus (youngs)
USE Modulus of elasticity

Modulus of elasticity 2012
UF Elasticity modulus
Modulus (youngs)
Youngs modulus
BT –Mechanical properties
RT Axial strain
–Axial stress
Concrete properties
Elastic deformation
Elasticity (mechanical)
Elastic limit
Elastic theory
Poisson ratio
Rigidity
Shear modulus
Strength of materials
Stress-strain curves
–Tensile properties

Mohr circle 0813
BT –Stress circle
RT Cohesion
–Envelopes
Internal friction
Mohr envelope
Mohr failure theory
Normal stress
Rock mechanics
Shear planes
Shear stress
Soil mechanics
–Soil tests
Strength of materials

Mohr envelope 0813
BT –Envelopes
RT Cohesion
Friction coefficient (mechanical)
Internal friction
Mohr circle
Mohr failure theory
Rock mechanics
Shear failure
Soil mechanics
–Soil tests

Mohr failure theory 0813
BT –Theory
RT –Failure (mechanics)
Internal friction
Mohr circle
Mohr envelope
Rock mechanics
Shear failure
Soil mechanics
Strength of materials
Theoretical analysis

Moist condition 1407
RT –Moisture
–Moisture content
Unsaturated soils
–Water content
Wet condition

Moisture 0704
UF Damp
NT Adsorbed water
–Capillary water
Fringe water
Humidity
Hygroscopic water
Precipitable water
–Precipitation (atmospheric)
–Soil moisture
Subsurface moisture
–Water vapor
RT Dehydration
Hydrolysis
Moist condition
Moisture availability
–Moisture content
Moisture deficit
–Moisture meters
Moistureproofing
Moisture sensors
Soil-water-plant relationships
–Water
–Water content

Moisture availability 0808
UF Available moisture
RT Arid lands
Crop response
Hygroscopic water
–Moisture
–Moisture content
Moisture stress
Moisture tension
Moisture uptake
–Phreatophytes
Root zone
Soil environment
–Soil moisture
–Soil water
Supplemental irrigation
Turgidity
Wilting

Moisture blocks (soil)
USE Bouyoucos blocks

Moisture content 0704
UF Unit water content
Wetness
NT Humidity
Optimum moisture content
RT Acceptance tests
–Atterberg limits
Bouyoucos blocks
–Compaction
Desiccants
Dry density
–Drying
Field capacity
Flow rates
–Hot winds
–Hydrologic properties
–Hygrometry
Lysimeters
Moist condition
–Moisture
Moisture availability
Moisture deficit
–Moisture meters
Moisture sensors
Moisture stress
Moisture tension
Moisture uptake
Nuclear density meters
Nuclear moisture meters
Precipitable water
Proctor curves
Rapid compaction control
Relative consistency
Soil liquefaction
–Soil moisture
Soil moisture meters
Subsurface moisture
Tensiometers
Unsaturated soils
–Void ratio
–Water
Water application rate
–Water content
–Water table
Wet condition
Wet weight
Wilting
Wilting point

Moisture deficit 0808
RT Droughts
–Moisture
–Moisture content
Moisture stress
Moisture uptake
Plant physiology
Stomata
Transpiration
–Water loss
Water shortage
Wilting point

Moisture equivalent
USE Specific retention

Moisture meters 1402
BT –Instrumentation
–Measuring instruments
–Test equipment
NT Nuclear moisture meters
Soil moisture meters
RT –Moisture
–Moisture content
Moisture sensors
–Water content

Moistureproofing 1308
UF Dampproofing
RT –Asphalt emulsions
Caulking
–Coatings
–Construction joints
–Moisture
–Protective coatings
–Sealants
Sealing compounds
Slabs
Underwater construction
Underwater foundations
Waterproofing
Water seals
Waxes
Weatherproofing

Moisture requirements
USE Water requirements

Moisture sensors 1402
BT –Detectors
–Instrumentation
–Sensors
RT Automatic control
–Moisture
–Moisture content
–Moisture meters
Nuclear moisture meters
–Water content

Moisture stress 0603.1
BT –Stress
RT –Animal physiology
Drought resistance
Droughts
Drought tolerance
Moisture availability
–Moisture content
Moisture deficit
Moisture uptake
–Movement
Osmotic pressure
Plant physiology
Water requirements

Moisture tension 0808
UF PF
BT –Tension
RT –Hydrologic properties
Moisture availability
–Moisture content
–Pore pressure
Pores
–Soil moisture
Soil structure
Soil suction
–Soil water
Wettability

Moisture uptake 0808
RT –Absorption
–Adsorption
Consumptive use (water)
Moisture availability
–Moisture content
Moisture deficit
Moisture stress
–Movement
–Transfer
Translocation
Transpiration
Turgidity
Water requirements
–Water utilization

Moisture use
USE Water utilization

Moldings 1107
RT –Castings
Extrusions
Materials forming

Molds 0603.1
UF Filamentous fungi
BT –Fungi
–Microorganisms
–Plants (botany)

Molecular diffusion
USE Diffusion

Molecular films
USE Monomolecular films

Molecular structure 0704
BT –Structure
RT Atoms
–Chemical properties
Configuration
Crystallography
–Crystals
Infrared spectroscopy
Molecular weight
Molecules
Nuclear magnetic resonance
Polymerization
Polymers
Water structure
X-ray diffraction

Molecular weight 0704
BT –Chemical properties
–Weight
RT Atoms
–Chemical compounds
Molecular structure
Molecules

Molecules 0704
RT Atoms
–Chemical compounds

Molecules (Con.)
Molecular structure
Molecular weight
Monomers
Polymers

Mole drainage 0808.1
BT —Drainage
—Subsurface drainage
RT Chiselling
—Drains
Mole irrigation
Percolation

Mole irrigation 0203.1
BT —Irrigation
RT Mole drainage
Percolation
Subsurface irrigation

Moles
USE Tunneling machines

Mollienesia species
USE Livebearers

Molluscacides 0606
BT —Chemicals
—Pesticides
—Poisons
RT Snails

Mollusks 0603.2
UF Pelecypods
BT —Animals
—Aquatic animals
—Aquatic life
—Invertebrates
NT Clams
—Gastropods
Mussels
Oysters
Snails
Teredos
RT Animal groupings
—Marine borers
—Shellfish

Mollys
USE Livebearers

Molybdenum 0702
BT —Chemical elements
—Metals
—Refractory metals
RT Molybdenum alloys
Molybdenum compounds

Molybdenum alloys 1106
BT —Alloys
—Heat resistant alloys
—Iron alloys
—Metals
RT Molybdenum
—Steel

Molybdenum compounds 0702
0703
BT —Chemical compounds
RT Molybdenum

Moment distribution 1313.5
BT —Distribution
RT Bending moments
—Loads (forces)
—Moments
Moments of inertia
Stiffness
Stress analysis
Stress distribution
—Structural analysis
—Structural design

Moments 1407
NT Bending moments
Moments of inertia
RT Bending
—Loads (forces)
Mass
Moment distribution
Momentum
—Statics
Torque

Moments of inertia 2011
UF Inertia (moments of)
BT —Moments
RT Bending moments
Mass
Moment distribution
—Statics
Stiffness
Stress analysis

Momentum 2011
RT —Dynamics
Kinetic energy
—Mechanics
—Moments
Momentum transfer
Pendulums
Potential energy
—Transport phenomena

Momentum equation 2004
BT —Equations
RT Continuity equation
Energy equation
—Flow
—Hydraulics
Specific head
—Velocity

Momentum transfer 2011
BT —Transfer
—Transport phenomena
RT —Dynamics
—Energy transfer
—Kinetics
Momentum

Monetary benefits 0503
BT —Benefits
RT Agricultural economics
—Costs
Economic impact
Economic prediction
—Economics
Financial feasibility
—Income
—Return (monetary)
—Value

Monetary value
USE Value

Monitoring 1407
RT —Control
Control systems
Data collections
Data transmission
—Maintenance
Materials control
—Measurement
—Operations
—Regulation

Monocots 0603.1
BT —Plants (botany)
NT Asparagus
Bahiagrass
Barley
Bermudagrass
—Bluegrasses
Bromegrass
Bulrush
Cattails
—Cereal crops
Coastal bermudagrass
Corn (field)
Dallisgrass
Dates
Ditch grass
Fescues
—Forage grasses
Grama grasses
—Grasses
Johnsongrass
Kentucky bluegrass
Merion bluegrass
Oats
Onions
Orchardgrass
Perennial ryegrass
Popcorn
—Range grasses
Rice
Sago pondweed
Sorghum
Sudangrass
Sugarcane
Sweet corn
Switchgrass
—Turf grasses
Wheat
Wheatgrasses
Wild rice
RT Forage mixtures
—Fruit crops
Orchards
—Sugar crops
Tropical fruits
Widgeon grass

Monoliths 1407
RT Boulders
Cast-in-place structures
—Concrete dams
—Concrete structures
Masonry dams
Mass concrete
—Rocks
Rubble masonry
Stones

Monomers 0703
BT —Chemical compounds
RT Molecules
Polymerization
Polymers

Monomolecular films 0704
UF Molecular films
BT —Films
RT Evaporation control
Evaporation retardants
—Fatty alcohols
Hexadecanol
—Interfaces
—Membranes
Octadecanol
Thin films

Monopoly 0503
RT Competition
—Economics

Monsoons 0402
BT —Wind (meteorology)
RT —Precipitation (atmospheric)
—Rainfall
Seasonal
Wet seasons

Montana 0806
BT —Geographical regions
—States (geographical)
RT Reclamation states

Monte Carlo method 1201
BT —Analysis
—Methodology
—Numerical analysis
RT Approximation method
Markov processes
—Mathematical analysis
—Mathematical models
—Mathematics
—Operations research
Probability theory
Sequential analysis
Simulation
—Statistical models
—Stochastic processes

Monthly 1407
RT Annual
Average
Biorhythms
Seasonal
—Time

Montmorillonite 0807
UF Montmorillonoid
BT —Clay minerals
—Minerals
—Silicates
NT Beidellite
RT Bentonite
—Expansive clays
—Expansive soils
Illite
Kaolinite

Montmorillonoid
USE Montmorillonite

Monuments 1302
RT Bench marks
—Buildings
—Plane surveying
—Surveying
Survey stations

Monuron 0606
UF CMU
BT —Chemical compounds
—Chlorinated hydrocarbon pesticides
—Halogenated pesticides
—Herbicides
—Nitrogen compounds
—Organic compounds
—Organic pesticides
—Pesticides
—Urea pesticides
—Ureas

Moody resistance diagrams 2004
RT —Boundary layer
Darcy-Weisbach equation
Friction coefficient (hydraulic)
—Pipes
—Resistance
Reynolds number
Steady flow
Uniform flow

Moon 0301
BT —Astronomical bodies
RT Earth (planet)
—Tides

Mooring 1313.5
RT —Docks
Harbors

Moraines 0807
BT —Alluvial deposits
—Geologic deposits
—Glacial deposits
—Glacial geology
—Land forms
—Sediment deposits
RT —Geology
Geomorphology
Glacial soils
Glaciation
Glaciers

Morale 0510
RT Attitudes
Employee relations
—Environments
Fringe benefits
Industrial relations
Leadership
Motivation
—Productivity
—Psychology
—Recreation facilities
—Safety
Salaries
—Training
Working conditions

Morays 0603.2
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Marine animals
—Marine fish
—Saline water fish
—Wildlife
RT Eels

Morbidity 0605
RT —Air pollution
Air pollution effects
—Diseases
Epidemiology
Fishkill
Mortality
—Population
Public health
—Rates
Soil contamination
—Water pollution
Water pollution effects

Morning glory spillway 1313.1
BT —Hydraulic structures
—Spillways
RT Approach channels
Closed conduit spillways
—Dams
Flip buckets
Ogee crests
Overflow
Spillway crests
Stilling basins

Morphology 1407
NT —Fluvial morphology
Geomorphology

Morphology (Con.)
—Glacial geology
Lake morphology
RT —Biology
Configuration
—Erosion
—Geography
—Land forms
—Languages
Mountains
Soil physics
Soil structure
Soil texture
—Structure
—Surfaces
Terrain
Terrain analysis
Texture
Topography

Mortality 0511
RT —Air pollution
Air pollution effects
—Environmental effects
Epidemiology
Fish establishment
Fishkill
Longevity
Morbidity
Pesticide residues
—Poisons
—Population
Population growth
—Predation
Public health
Red tide
Soil contamination
—Toxins
—Water pollution
Water pollution effects

Mortars 1303
BT —Building materials
—Construction materials
—Materials
NT Epoxy mortar
RT —Admixtures
Brick masonry
Bricks
Cement grouts
—Cements
Clay masonry
Concrete masonry
—Concretes
—Grouting
Gypsum
Lime
—Masonry
Masonry dams
Pipe linings
Plaster
—Portland cement
Rubble masonry
Setting (materials)
Shotcrete

Mosaics 0802
RT Aerial photography
Aerial reconnaissance
Aerial surveys
—Mapping
—Maps
Photogrammetry
—Photographs

Mosquitoes 0603.2
UF Aedes species
BT —Animals
—Diptera
—Insects
—Invertebrates
RT —Aquatic insects
—Larvae
Public health

Mosses 0603.1
UF Sphagnum species
BT —Plants (botany)

Motion 2011
Use of a more specific term is recommended
RT —Acceleration (physics)
Ballistics
Displacements
Kinetic energy
—Movement
Oscillations
Rotation
Turbulence
—Velocity
—Vibration

Motion pictures 1405
BT —Photographs
RT Photographic analysis
—Photography
Time and motion studies

Motivation 0510
RT Applied psychology
Attitudes
Careers
Decision making
Human behavior
Incentives
Learning
Management training
Morale
Objectives
Professional advancement
Professional development
Psychological aspects
—Psychology
Self-improvement
—Social aspects
—Value

Motor generators 1002
BT —Electric generators
—Equipment
—Generators
—Rotating machines
NT Dynamometers
RT —Electrical equipment
—Electric motors

Motors 1002
NT —Electric motors
Induction motors
RT —Internal combustion engines
Power transmission (mechanical)
Servomechanisms
Synchronous machines

Motor vehicle accidents 1312
UF Accidents (traffic)
Traffic accidents
BT —Accidents
RT —Motor vehicles
—Safety
Traffic

Motor vehicles 1306
NT Automobiles
RT Motor vehicle accidents
Traction
—Tractors
Traffic
Trailers
Vehicles
—Wheels

Mottled ducks 0603.2
UF Anas fulvigula
BT —Animals
—Aquatic life
—Birds
—Ducks (wild)
—Migratory birds
—Waterfowl
—Wildlife

Mountain forests 0206
BT —Forests
RT —Conservation
Rain forests
Snowpacks

Mountains 0806
BT —Land forms
RT Alpine
—Avalanches
Chinook
Cirques
Geomorphology
—Morphology
Orographic clouds
Orographic precipitation
Orography
—Regions
—Slopes
Terrain
Terrestrial habitats
Topography
—Valleys
Volcanoes
Water gaps
Watersheds (divides)

Movable bed models 1402
BT —Hydraulic models
—Models
—Model studies
RT Channel beds
Fixed-bed models
Hydraulic gradient
Hydraulic laboratories
Hydraulic similitude
Model tests
River beds
—River flow
Sediment control
—Sediment transport
—Tractive forces

Movable dams 1313.1
BT —Dams
RT Flashboards
—Hydraulic gates

Movable laboratories
USE Field laboratories

Movement 1407
NT Air circulation
Average flow
Axial flow
Base flow
Capillary action
—Channel flow
—Circulation
Circulation (animals)
Circulation (plants)
—Closed conduit flow
Convection
Converging flow
—Critical flow
Density-flow
Design flow
—Earth movements
—Flow
Flow around objects
—Fluid flow
Gradually varied flow
Groundwater flow
Groundwater movement
Incompressible flow
Laminar flow
Low flow
Natural flow
Non-Newtonian flow
Non-uniform flow
Ocean circulation
Open channel flow
Orifice flow
Overland flow
Percolation
Pipe flow
—Porous media flow
Potential flow
Pulsating flow
Regulated flow
Return flow
River currents
—River flow
Rotational flow
Saturated flow
Sheet flow
Sliding
Slipping
Soil water movement
Steady flow
Stratified flow
—Streamflow
Subcritical flow
Subsonic flow
Subsurface flow
Supercritical flow
Supersonic flow
Transient flow
Transition flow
Turbidity currents
Turbulent flow
Two-phase flow
Uniform flow
—Unsaturated flow
—Unsteady flow
Viscous flow
—Water circulation
RT Balance of nature
Convection
—Currents (water)
Deflection
Displacements
—Earthquakes
Fluctuation
—Friction
Hydrologic cycle
—Ion transport
—Kinetics
Leaching
Lentic environments
Lotic environment
—Mass wasting
Microenvironment
—Migration
Mixing
Moisture stress
Moisture uptake
Motion
Path of pollutants
Persistence
Pesticide drift
Pesticide kinetics
Saltation
Sand waves
—Sedimentation
Sedimentation rates
—Sediment load
—Sediment transport
Settling velocity
—Tracers
—Tractive forces
—Transfer
Translocation
Turbulence
Underflow
—Velocity
—Water circulation
Work

Muck 0807
UF Muck soils
RT —Blasting
—Clays
Marine clays
—Marshes
—Mine wastes
Mud
Muskeg
Organic clays
—Organic matter
Organic silts
—Organic soils
Peat
Peat bog
Slime

Muck soils
USE Muck

Mud 0807
BT —Earth materials
—Materials
—Soils
RT Bottom sediments
—Clays
Drilling fluids
—Grouting
Gumbo
Marine clays
Marl
Muck
Mud flats
Mudflows
Mudjacking
Mudstone
Mud-water interfaces
Puddling
Saturated soils
Sediment-water interfaces
—Silts
Slime
Slurries
—Soil types
Wet condition

Mud flats 0807
BT —Land forms
—Sediment deposits
RT Geomorphology
Intertidal areas
Mud
Mud-water interfaces
—Sediments
Sediment-water interfaces
—Shores
Tidal effects
Tidal marshes

Mudflows 0807
RT Debris avalanches
—Earth movements
—Landslides
—Liquefaction
—Mass wasting
Mud

Subject Category Index numbers follow main terms; (—) = See main entry for narrower terms;

Mudflows (Con.)
Plastic failure
Saturated flow
Sedimentary tuff
Soil liquefaction

Mud glaciers
USE Solifluction

Mudjacking 1315
RT Concrete linings
Concrete pavements
—Grouting
Injection
Mud
—Pumping
Slabs

Mudstone 0807
BT —Rocks
—Sedimentary rocks
RT —Clays
Clay shales
Claystones
Mud
—Sediment deposits
—Shale
—Silts
Siltstone

Mud-water interfaces 0807
BT —Boundaries (surfaces)
—Earth-water interfaces
—Interfaces
RT Intertidal areas
Lake soils
Mud
Mud flats
—Sediments
Sediment-water interfaces
—Shores
Soil surfaces
—Water

Mugil species
USE Mullets

Mulching 0201
NT Stubble mulching
Vertical mulching
RT Crop response
Evaporation control
Evaporation retardants
—Organic matter
Soil conservation
—Soil management
Soil surfaces
Water conservation
—Water management (applied)
—Weed control

Mullets 0603.2
UF Mugil species
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Marine animals
—Marine fish
—Saline water fish
—Wildlife
RT —Freshwater fish

Multilevel outlets 1313.1
BT —Hydraulic structures
—Outlets
—Outlet works
—Structures
RT Density currents
Density stratification
—Drawdown
Intake gates
—Intake structures
Intake towers
—Reservoir operation
Selective level releases
—Stratification
Thermal gradient
Thermal stratification
Water quality control
Water temperature
Withdrawal

Multiple arch dams 1313.1
BT —Arch dams
—Concrete dams
—Concrete structures
—Dams
—Engineering structures
RT Buttress dams
Gravity dams

Multiple purpose 1407
RT Dual purpose
Multiple purpose structures
Multiple use
Objectives

Multiple purpose projects 1302
BT —Projects
RT —Administration
Area redevelopment
—Economics
Employment opportunities
Fish and wildlife
Flood control
Hydroelectric power
—Irrigation
—Management
Multiple purpose structures
Multiple use
Municipal water
Navigation
Optimum development plans
—Planning
Project planning
Project purposes
—Recreation
Sediment control
—Water policy
—Water pollution
Water resources development
—Watersheds (basins)
Water supply
Water supply systems
—Weather modification

Multiple purpose reservoirs 1302.6
BT —Bodies of water
—Impoundments
—Reservoirs
—Standing waters
—Surface waters
RT Artificial use
Competing uses
Detention reservoirs
Fish and wildlife
Flood control
Hydroelectric power
—Irrigation
—Lakes
Multiple purpose structures
Multiple use
Municipal water
—Ponds
—Recreation
Reservoir capacity
Reservoir storage
Water consumption

Multiple purpose structures 1313.1
BT —Structures
RT —Dams
Flood control
Hydroelectric powerplants
—Intake structures
Multiple purpose
Multiple purpose projects
Multiple purpose reservoirs
Multiple use
Public works
—Pump turbines

Multiple regression 1201
BT —Mathematical studies
—Regression analysis
—Statistical analysis
RT Correlation
Correlation techniques
Least squares method
—Statistical models
Statistical quality control

Multiple use 1407
RT Dual purpose
Multiple purpose
Multiple purpose projects
Multiple purpose reservoirs
Multiple purpose structures

Multistage flash distillation 1302.5
BT —Distillation
—Flash distillation
—Separation techniques
RT Concentration
Condensers (liquefiers)
—Demineralization
—Desalination
—Evaporation
Flash evaporators
Purification
—Vaporization

Municipalities 0504
RT Cities
City planning
—Industries
Local governments
Municipal wastes
Public health
Repayment contracts
Storm drains
Treatment facilities
Urban areas
Urbanization
—Utilities
—Zoning

Municipal wastes 1302.1
UF Metropolitan wastes
BT —Wastes
RT Cities
—Disposal
Disposal wells
Domestic wastes
Garbage dumps
Municipalities
Municipal water
Oxidation lagoons
—Sewage
Sludge disposal
Soil disposal fields
Urban areas
—Waste disposal
Waste water treatment
Water pollution sources

Municipal water 1302.1
BT —Water
—Water types
RT Artificial use
Beneficial use
City planning
—Industrial plants
Multiple purpose projects
Multiple purpose reservoirs
Municipal wastes
—Prior appropriation
Project benefits
Reasonable use
Reimbursable costs
Repayment contracts
—Riparian rights
River basin development
Supplemental water
Urban areas
Water consumption
Water costs
—Water policy

Muskeg 0807
RT —Bogs
—Marshes
Muck
Organic clays
Organic silts
—Organic soils
Peat
—Swamps

Muskellunge
USE Pikes

Muskmelon
USE Melons

Muskrats 0603.2
BT —Animals
—Furbearers
—Mammals
—Rodents
—Small animals (mammals)
—Wildlife
RT Burrows

Mussels 0603.2
BT —Animals
—Aquatic animals
—Aquatic life
—Benthic fauna
—Benthos
—Invertebrates
—Marine animals
—Mollusks
—Shellfish
RT Clams
Oysters

Mute swan 0603.2
UF Cygnus olor
BT —Animals
—Birds
—Non-game birds
—Swans
—Wildlife

Mycobacterium 0613
BT —Aerobic bacteria
—Bacteria
—Microorganisms
—Plants (botany)
RT Pathogenic bacteria

Myxobacteria 0613
BT —Aerobic bacteria
—Bacteria
—Microorganisms
—Plants (botany)
—Soil bacteria
—Soil microorganisms
RT —Aquatic bacteria
—Aquatic microorganisms
Marine bacteria
Pathogenic bacteria

N

Nails 1305
BT —Building materials
—Construction materials
—Fasteners
—Materials
—Mechanical fasteners
RT Dowels
—Hammers
—Joints (connections)
—Pins (mechanical)

Nannoplankton 0613
BT —Aquatic life
—Aquatic microorganisms
—Aquatic plants
—Microorganisms
—Plankton
—Plants (botany)
—Seston
NT Beggiatoa
RT —Aquatic algae
—Aquatic bacteria
—Aquatic fungi
—Phytoplankton
—Zooplankton

Nansen bottles 1402
BT —Instrumentation
RT —Samplers
Water properties

Nappe 2004
RT Contraction
Ogee crests
Orifice flow
Overflow
Spillway crests
Sudden enlargements
Vena contracta
Weir crests
—Weirs

Naptha 0703
BT —Bitumens
RT Fuels
—Hydrocarbons
—Solvents

National battlefields 0504
BT —Federal reservations
—Public land

National defense 1503
NT Civil defense
RT Airports
Army
Manpower
Military
Navy
—Warning systems

National forests 0206
BT –Federal reservations
–Forests
–Public land
RT –Conservation

National historic parks 0504
BT –Federal reservations
–National parks
–Parks
–Public land

National historic sites 0504
BT –Federal reservations
–Public land
RT Indian reservations
Tourism

National income 0503
BT –Income
RT Federal budgets
Federal government
Gross national product
Manpower

National lakeshores 0504
BT –Federal reservations
–Public land

National memorials 0504
BT –Federal reservations
–Public land

National monuments 0504
BT –Federal reservations
–Public land
RT Tourism

National parks 0504
BT –Federal reservations
–Parks
–Public land
NT National historic parks
RT –Conservation
National wildlife refuges
–Recreation
–Recreation facilities
–Resource conservation
Scenic highways
Tourism

National recreation areas 0504
BT –Federal reservations
–Public land

National seashores 0504
BT –Federal reservations
–Public land
–Seashores
–Shores
RT Scenic highways

National wildlife refuges 0504
RT –National parks

Natural drainage divides
USE Watersheds (divides)

Natural flow 0808
BT –Channel flow
–Flow
–Fluid flow
–Movement
–River flow
–Streamflow
RT Natural flow doctrine
Regulated flow

Natural flow doctrine 0504.1
BT –Legal aspects
–Riparian rights
–Water law
–Water rights
RT Adjudication procedure
Alteration of flow
Diversion
Natural flow
Obstruction to flow
Reasonable use
Relative rights

Natural frequency 2014
BT –Frequency
RT –Acoustics
–Damping
Dynamic response
Excitation
Forced vibration
Harmonics
Impulses
Nodes
Oscillations
Oscillators
Pulsating flow
Pulses
Resonance
–Resonators
–Stability
Standing waves
Tuning forks
–Vibration
–Waves

Natural gas 2104
BT –Gases
RT Coal gas
–Fossil fuels
Fuels
Gasoline
Oil industry
Oil reservoirs
–Oils
Oil wells
Petroleum
Secondary recovery (oil)

Natural increase
USE Productivity

Natural recharge 0808.1
BT –Recharge
RT –Aquifers
–Artificial recharge
Groundwater recharge
Infiltration
–Precipitation (atmospheric)
–Seepage
Storage coefficient
Surface-groundwater relationships
–Water table
Zone of saturation

Natural resources 0503
BT –Resources
NT –Atmosphere
Hydroelectric resources
Land resources
Petroleum
–Water resources
RT –Conservation
–Economics
–Forests
–Grasslands
–Land
Land use
–Parks
–Recreation
Reforestation
–Resource conservation
Scenery
Soil algae
–Soils
Water resources development
Water supply
–Water utilization
–Wildlife

Natural streams 0808
UF Natural watercourses
BT –Land forms
–Rivers
–Running waters
–Streams
–Surface waters
–Watercourses (legal)
–Waterways
RT Artificial watercourses

Natural use 0808
BT –Water utilization
RT Domestic water
Reasonable use
–Riparian rights
Stock water

Natural watercourses
USE Natural streams

Nature of water
USE Water properties

Naval architecture 1310
RT –Boats
Hydrofoils
Marine engineering
Military aspects
Navigation
Propellers
–Ships
Submarines

Navigable rivers 0808 1302
UF Great rivers
BT –Channels
–Inland waterways
–Land forms
–Navigable waters
–Rivers
–Surface waters
–Waterways
RT –Bodies of water
Boundaries (property)
Lock gates
Navigation
–Navigation dams
Ownership of beds
River beds
–Running waters
–Streams

Navigable waters 0808 1302
UF Floatable streams
Saw log test
BT –Bodies of water
NT Harbors
–Inland waterways
Navigable rivers
RT –Lakes
Lock gates
Navigation
–Navigation dams
Non-navigable waters
Oceans
Ownership of beds
–Streambeds
–Waterways

Navigation 1707
RT Admiralty
–Aircraft
Airports
Azimuth
Bathymetry
Bulkhead line
Buoys
–Canals
–Charts
Communication
Direction finding
Flotsam
Harbors
Icebergs
Ice jams
Ice prevention
Law of the sea
Lighthouses
Locks (waterways)
Low-flow augmentation
–Maps
Military aspects
Multiple purpose projects
Naval architecture
Navigable rivers
–Navigable waters
–Navigation dams
Ocean circulation
Oceans
Ports
Position finding
–Radar
Reaches (distance)
–Reservoir operation
–Riparian rights
–Routing
–Ships
Shoaling
Shoals
Sonar
–Transportation
–Water policy

Navigation dams 1313.1
BT –Dams
–Hydraulic structures
NT –Concrete dams
RT –Earth dams
Locks (waterways)
Navigable rivers
–Navigable waters
Navigation

Navigation locks
USE Locks (waterways)

Navy 1503
RT Airports
Army
Military
–National defense

Nebraska 0806
BT –Corn belt
–Geographical regions
–States (geographical)
RT Reclamation states

Needle valves 1311
UF Jet valves
BT –Hydraulic valves
–Valves
RT High pressure valves
Hollow jet valves

Needs
USE Requirements

Negative friction 1407
BT –Friction
–Mechanical properties
RT –Drag
External friction
Friction coefficient (hydraulic)
Friction coefficient (mechanical)
Friction piles
Friction tests
Internal friction
Pile bearing capacities
Pile extraction
Pile friction
–Piles (foundations)
Positive friction
Skin friction
Sliding resistance
–Surface properties

Negative pore pressure 0813
BT –Negative pressure
–Pore pressure
–Pressure
–Subatmospheric pressure
RT Capillarity
Capillary action
Capillary conductivity
Capillary pressure
Cohesion
Effective stress
Hydrostatic pressure
Pore air pressure
Pores
Pore water pressure
Shear strength
Soil mechanics
–Soil properties
Soil shrinkage
Soil suction
–Suction
Surface tension
–Undrained shear tests
Unsaturated soils

Negative pressure 1407
BT –Pressure
–Vacuum
NT Negative pore pressure
RT Active pressure
Atmospheric pressure
Cavitation
Cohesion
–Flow
Hydrostatic pressure
Low pressure
Pore air pressure
–Pore pressure
Pore water pressure
Pressure distribution
Soil suction
–Suction
Surface tension
Tensiometers
Uplift pressure
Vacuum pumps

Negligent inundation
USE Floods

Negotiations 0501 0504.1
UF Renegotiations
RT Bids
Change orders
Claims (contracts)
Construction management
–Contract administration
Contracting
Contracting officers
–Contracts
Land acquisition

Negotiations (Con.)
–Legal aspects
Litigation
–Management
Repayment contracts
–Treaties

Nekton 0613
UF Free-swimming invertebrates
BT –Animals
–Aquatic animals
–Aquatic life
–Seston
RT Animal groupings
Swimming
–Zooplankton

Nematobothrium texomensis
USE Trematodes

Nematocides 0606
BT –Antihelminthes (pesticides)
–Chemicals
–Pesticides
–Poisons
RT Nematodes

Nematodes 0603.2
BT –Animals
–Invertebrates
RT –Aquatic animals
–Aquatic microorganisms
Entomology
–Microbiology
Nematocides
–Parasites
Soil microbiology
–Soil microorganisms
Soil sterilants
Water pollution sources

Neon 0702
BT –Chemical elements
–Gases
–Inert gases
–Nonmetals

Neritic 0810
RT Continental shelf
Littoral zone
Oceans
–Tides

Nesting 0606
RT Broods
Hatching
Nesting cover
Nests

Nesting cover 0606
BT –Vegetal cover
RT Food and cover crops
–Habitats
Nesting
Shore-line cover
Vegetation

Nests 0606
RT Bird eggs
–Birds
Burrows
Clutch (biology)
–Eggs
Hatching
Nesting
–Sites

Net gain
USE Net profit

Net income 0503
BT –Income
RT Gross income
Net profit

Net profit 0503
UF Net gain
BT –Profit
RT Gross profit
Net income

Nets 1105
UF Seines
NT Fyke nets
Gill nets
Plankton nets
Triangulation nets
RT –Fishing
Fishing gear
Marking techniques
–Samplers
Trapping
Trawling

Nettles (sea)
USE Sea nettles

Nettles (stinging)
USE Stinging nettles

Network analysis 0903
RT –Analogs
–Circuits
–Electric current
–Electric potential
–Networks
Switching circuits

Network design 1407
BT –Design
RT –Circuits
–Networks

Networks 1407
NT Electric networks
Resistance networks
RT Climatic data
Data collections
–Data processing
Data transmission
–Design
–Forecasting
–Governments
Hydrologic data
Loops (electrical)
Network analysis
Network design
–Operations
PERT
–Planning
Protective relaying
Regional analysis
Remote sensing
–Stations
Synoptic analysis

Neuroptera
USE Lacewings

Neutralization 0701 0704
BT –Chemical reactions
RT Acidity
–Acids
Activation energy
Alkalinity
–Alkalis (bases)
Buffers (chemistry)
Inhibition
Inhibitors
Lime
pH
–Retardants
Retarding
–Salts
Soil treatment
–Stabilization
–Waste treatment
–Water treatment

Neutral stress 2012
BT –Stress
RT Effective stress
Pore air pressure
–Pore pressure
Pore water pressure
Shear strength
Soil stability
Soil strength
–Soil tests
Total stress
–Water content

Neutron absorption 2008
RT Absorbers
–Absorption
Activation energy
Irradiation
Neutron activation analysis
Nuclear moisture meters
–Nuclear probes
Radiation shielding

Neutron activation analysis 1402
BT –Analysis
–Analytical techniques
–Chemical analysis
RT Neutron absorption
Qualitative analysis
–Quantitative analysis
–Spectroscopy

Neutron counters 1804
BT –Counters
–Equipment
–Instrumentation
–Measuring instruments
–Radiation measurement
–Radiation measuring equipment
–Test equipment
RT –Electronic equipment
Geiger counters
Neutrons
–Nuclear meters
Nuclear moisture meters
–Nuclear probes
–Radiation detectors
–Radiation measuring equipment
–Recording systems
Scintillation counters

Neutron meters
USE Nuclear meters

Neutrons 2008
RT Atoms
Beta particles
Cosmic rays
Neutron counters
Nuclear energy
Nuclear explosions
Nuclear fission
–Nuclear probes
–Nuclei
Protons
Radiation effects
Radioactive decay
Radioactivity
X-rays

Nevada 0806
BT –Geographical regions
–States (geographical)
RT Reclamation states

Neve
USE Firn

New Hampshire 0806
BT –Geographical regions
–States (geographical)

New Jersey 0806
BT –Coastal plains
–Geographical regions
–States (geographical)

New Mexico 0806
BT –Geographical regions
–States (geographical)
RT Reclamation states

Newtonian flow 2004
BT –Fluid flow
RT Flow rates
–Fluids
Incompressible flow
Reynolds number
Viscosity

Newts 0603.2
BT –Amphibians
–Animals
–Aquatic animals
–Aquatic life
–Wildlife

New York 0806
BT –Geographical regions
–States (geographical)

Niches 0606
RT –Animal parasites
Balance of nature
–Biological communities
Carnivores
–Ecosystems
–Ecotypes
–Habitats
–Herbivores
Omnivores
–Parasites
Scavengers

Nickel 0702
BT –Chemical elements
–Metals
RT Magnetostriction
Nickel alloys
Nickel compounds
Passive metals

Nickel alloys 1106
BT –Alloys
–Metals
RT –Heat resistant alloys
Nickel
Nickel compounds
Stainless steel
–Steel

Nickel compounds 0702 0703
BT –Chemical compounds
RT Nickel
Nickel alloys

Nicotiana tabacum
USE Tobacco

Niobium 0702
UF Columbium
BT –Chemical elements
–Metals
–Refractory metals
RT Niobium alloys
Niobium compounds
Superconductors

Niobium alloys 1106
BT –Alloys
–Heat resistant alloys
–Metals
RT Niobium

Niobium compounds 0702 0703
BT –Chemical compounds
RT Niobium

Nitrates 0702
BT –Chemical compounds
–Nitrogen compounds
NT Nitroglycerin
Sodium nitrates
RT Chemical wastes
Denitrification
Fertilizers
Leaching
Nitrification
Nitrites
Water pollution sources
–Water quality

Nitrification 0703
BT –Chemical reactions
RT Ammonia
–Nitrates
Nitrites
Nitrogen cycle
Nitrogen fixation
Sewage stabilization
Waste stabilization ponds

Nitrites 0703
BT –Chemical compounds
–Inorganic compounds
–Nitrogen compounds
RT –Chemicals
Denitrification
–Nitrates
Nitrification

Nitrogen 0702
BT –Chemical elements
–Gases
–Nonmetals
RT –Nitrogen compounds
Nitrogen cycle
Soil gases
Waste stabilization ponds

Nitrogen compounds 0702 0703
UF Nitrogenous compounds
BT –Chemical compounds
NT Amino acids
Ammonia
Ammonium salts
Monuron
–Nitrates
Nitrites
Nitroglycerin
Peptides
–Proteins
Sodium nitrates
–Urea pesticides
–Ureas
Urine
RT –Chemicals
Fertilizers

Nitrogen compounds (Con.)
Nitrogen
Nitrogen cycle

Nitrogen cycle 0601
BT –Cycles
RT Ammonification
Denitrification
Nitrification
Nitrogen
–Nitrogen compounds
Nitrogen fixation

Nitrogen fixation 0601
RT Azotobacter
Clostridium
Nitrification
Nitrogen cycle
–Nitrogen fixing bacteria

Nitrogen fixing bacteria 0613
BT –Bacteria
–Microorganisms
NT Azotobacter
Clostridium
RT –Aerobic bacteria
–Anaerobic bacteria
Marine bacteria
Methane bacteria
Nitrogen fixation
Photosynthetic bacteria
Rhizosphere
–Soil bacteria
–Soil microorganisms

Nitrogenous compounds
USE Nitrogen compounds

Nitroglycerin 0703
BT –Chemical compounds
–Explosives
–Nitrates
–Nitrogen compounds
–Organic compounds
RT –Blasts
Charges (explosives)
Demolition
Detonation
Drugs

Noble fir trees 0603.1
UF Abies procera
BT –Coniferous trees
–Conifers
–Fir trees
–Gymnosperms
–Plants (botany)
–Trees

Nocturnal 1407
RT Biorhythms
Diurnal
Fluctuation
Seasonal
–Time

Nodes 1407
RT –Elastic waves
Finite element method
Harmonics
Natural frequency
Standing waves
–Vibration
Wavelength
–Waves

Noise (sound) 2001
BT –Mechanical waves
–Radiation
NT Cavitation noise
RT –Acoustics
–Interference
Noise reduction
Rock noise
Shock (physiology)
Sonar
Sound
–Sound waves
Waveforms
–Waves

Noise control
USE Noise reduction

Noise reduction 2001
UF Noise control
Noise supression
RT Acoustic insulation
–Acoustics
–Noise (sound)
Vibration damping

Noise supression
USE Noise reduction

Nomenclatures 0502
RT Acronyms
Dictionaries
–Languages
–Subject indexing
Symbols
Thesaurus
Vocabularies

Nomograms
USE Nomographs

Nomographs 1201
UF Nomograms
BT –Analysis
–Numerical analysis
RT Calculations
–Charts
Computation
–Diagrams
Graphical analysis
–Mathematical analysis

Noncircular conduits 1313.3
BT –Conduits
–Conveyance structures
–Hydraulic structures
NT Rectangular conduits
RT Aqueducts
Corrugated metal pipe
Culverts
Penstocks
–Pipelines
Sewers
Trapezoidal channels
Trapezoidal flumes
–Tunnels

Noncohesive soils
USE Cohesionless soils

Non-consumptive use 0203.1
BT –Water utilization
RT Beneficial use
Competing uses
Consumptive use (water)
Fish management
Preferences (water rights)
–Recreation
Stream pollution
–Waste disposal
Water consumption
–Water pollution
–Wildlife conservation

Nondestructive tests 1402
BT –Materials tests
–Tests
NT –Radiographic inspection
Sonic velocity tests
X-ray inspection
RT Acceptance tests
–Analytical techniques
Concrete tests
Destructive tests
–Detection
Fluoroscopes
Foreign tests
–Inspection
Laboratory tests
Penetration tests
Piezoelectricity
Pipe tests
–Quality control
–Radioactivity techniques
–Radiography
Soniscopes
Static tests
Test results
Ultrasonics
Ultrasonic tests
–X-ray analysis

Non-equilibrium equation
USE Theis equation

Non-game birds 0603.2
BT –Animals
–Birds
–Wildlife
NT Gulls
Mute swan
Poultry
Song birds
–Swans
Trumpeter swan
Wading birds
–Water birds
Whistling swan
RT Animal groupings
Bird types
Game birds
–Migratory birds
Non-migratory birds
Nuisance birds
Shore birds

Nonlinear systems 1407
RT Analog computers
–Analogs
–Control equipment
Control systems
Hybrid computers
Linear systems

Nonmetals 0702
(nonmetallic elements)
BT –Chemical elements
NT Argon
Bromine
Carbon
Chlorine
–Halogens
Helium
Hydrogen
–Inert gases
Neon
Nitrogen
–Oxygen
–Phosphorus
Selenium
Sulfur
RT –Calcareous rocks
–Metals
–Minerals

Non-migratory birds 0603.2
BT –Animals
–Birds
–Wildlife
RT Animal groupings
Bird types
Fish and wildlife
Game birds
–Migratory birds
–Non-game birds
Nuisance birds
Shore birds
Song birds
–Water birds
–Waterfowl

Non-navigable waters 0808
BT –Bodies of water
RT –Navigable waters
–Rivers
–Running waters
–Streams

Non-Newtonian flow 2004
BT –Flow
–Fluid flow
–Movement
RT Rheology
–Shear
–Stress
Thixotropy

Non-parasitic diseases (plant)
0603.1
BT –Diseases
–Plant diseases
RT –Environmental effects

Non-perennial streams 0808
BT –Bodies of water
–Running waters
–Streams
–Waterways
NT Ephemeral streams
Intermittent streams
RT Perennial streams
Seasonal
–Streamflow

Non-reimbursable benefits 0503
BT –Benefits
RT Benefit sharing
Non-reimbursable costs

Non-reimbursable costs 0503 1401
BT –Costs
RT Cost sharing
Non-reimbursable benefits
Reimbursable costs

Non-riparian waters
USE Appropriation (water rights)

Nonsteady flow
USE Unsteady flow

Non-structural alternatives 1314
RT Flood control
Flood plain zoning
–Forecasting
Land use
–Legal aspects
–Planning
–Regulation
Sediment control
–Taxes
–Water management (applied)
–Water policy
Water pollution control
Water quality control
Water resources development
–Water rights
–Water utilization
–Zoning

Non-thermal springs
USE Cold springs

Non-uniform flow 2004
BT –Flow
–Fluid flow
–Movement
RT Aerodynamics
Flow around objects
Flow patterns
Transient flow
Transients
Turbulent flow
Uniform flow
–Unsteady flow

Normalizing 1201
RT Optimum design
–Quality control
–Statistical analysis

Normal strain 2012
BT –Strain
RT Axial strain
–Compression
–Deformation
–Expansion
Extensometers
–Loads (forces)
Normal stress
Shear strain
–Strain gages
Strain measurement
Strain meters
Strain rate
–Stress
Tangential strain

Normal stress 2012
BT –Stress
RT –Axial stress
Biaxial stress
Compressive stress
Mohr circle
Normal strain
–Pressure
Radial stress
Shear planes
Shear stress
–Strain
Stress analysis
–Stress circle
Stress distribution
Tensile stress
Total stress
Triaxial stress

North Carolina 0806
BT –Coastal plains
–Geographical regions
–States (geographical)

North Dakota 0806
BT –Geographical regions
–States (geographical)
RT Reclamation states

Northern pike
USE Pikes

Northern pine trees
USE White pine trees

Norway pine trees
USE Red pine trees

Notch effect 2012
BT –Mechanical properties
RT Brittleness
Ductility
Fatigue (materials)
Notch tests
Stress concentration

Notch tests 1402
BT –Materials tests
–Metal tests
–Tests
RT Fatigue tests
Impact tests
Notch effect

Notropis species
USE Shiners

Noturus species
USE Catfishes

Noxious plants
USE Poisonous plants

Nozzles 1307
RT Blowers
Contraction
Diffusers
Farm equipment
–Flow
Hoses
Hydraulic excavation
–Hydraulic structures
Injectors
–Intakes
Jet diffusion
Jets
–Orifices
–Outlets
–Pipes
Submerged orifices
Sudden enlargements
Turbine parts
–Turbines
Vents

Nuclear blasts
USE Nuclear explosions

Nuclear density meters 1402
BT –Instrumentation
–Measuring instruments
–Meters
–Test equipment
RT –Compaction
–Density
Field density
–Field tests
Gamma probes
Geophysical logging
In place density
–Moisture content
Nuclear moisture meters
–Nuclear probes
Soil density probes

Nuclear desalting 1302.5
BT –Demineralization
–Desalination
–Separation techniques
RT –Distillation
Electrodialysis
Nuclear engineering
–Osmosis
Potable water
Purification
–Saline water
Salinity
Sea water
–Vaporization
Water softening

Nuclear energy 2008
UF Atomic energy
BT –Energy
RT Electricity
Neutrons
Nuclear engineering
Nuclear explosions
Nuclear fission
–Nuclear meters
Nuclear physics
–Nuclear powerplants
Nuclear reactors
Radiation effects
Radioactive wastes
Radioactivity

Nuclear engineering 1809
BT –Engineering
RT Mechanical engineering
Nuclear desalting
Nuclear energy
Nuclear excavation
Nuclear explosions
Nuclear physics
–Nuclear powerplants
Nuclear reactors
Radioactive wastes
–Radiochemistry
–Thermodynamics

Nuclear excavation 1315
BT –Excavation
–Explosive excavation
RT –Blasting
–Blasts
–Canals
Cratering
Detonation
Dynamic loads
–Explosions
Explosive construction
Nuclear engineering
Nuclear explosions
Nuclear fission
Radioactivity
Rapid excavation
Rock breakage
Rock excavation
–Seismic waves
Shock (mechanics)
Underground explosions

Nuclear explosions 1803
UF Atomic blasts
Atomic explosions
Blasts (atomic)
Blasts (nuclear)
Nuclear blasts
BT –Blasts
–Explosions
RT –Blasting
Civil defense
–Construction
Cratering
Craters
Dynamic loads
–Excavation
Explosive construction
–Explosive excavation
Fallout
Neutrons
Nuclear energy
Nuclear engineering
Nuclear excavation
Nuclear fission
Nuclear physics
–Nuclear reactions
Nuclear safety
Overpressure
Radioactive contamination
Radioactive wastes
Rapid excavation
–Seismic waves
Shelters
Shock waves
Transients
Underground explosions
Underwater explosions

Nuclear fission 2008
BT –Nuclear reactions
RT Neutrons
Nuclear energy
Nuclear excavation
Nuclear explosions
Radiation hazards
Radioactive contamination
Radioactivity

Nuclear magnetic resonance 2008
RT –Analytical techniques
Magnetometers
Molecular structure
–Radiochemistry
Spectrum analysis

Nuclear meters 1804
UF Neutron meters
BT –Instrumentation
NT Nuclear moisture meters
RT Neutron counters
Nuclear energy
–Nuclear probes
Radioactivity
Soil density
Soil density probes
Soil moisture meters

Nuclear moisture meters 1402
BT –Measuring instruments
–Moisture meters
–Nuclear meters
–Test equipment
RT –Field tests
Gamma probes
Gamma rays
Geophysical logging
–Moisture content
Moisture sensors
Neutron absorption
Neutron counters
Nuclear density meters
–Nuclear probes
Radiation hazards
Soil investigations
–Soil moisture
Soil moisture meters
–Water content

Nuclear physics 2008
BT –Physics
RT Alpha particles
Atoms
Nuclear energy
Nuclear engineering
Nuclear explosions
–Nuclear reactions
Nuclear reactors
Quantum mechanics
–Radiation
Radioactivity
–Radiochemistry
–Radioisotopes
–Safety

Nuclear powerplants 1805
UF Atomic plants
BT –Electric powerplants
–Industrial plants
–Powerplants
NT Dual-purpose nuclear plants
RT –Buildings
–Desalination
Desalination plants
Electric power industry
–Electric power production
–Facilities
Nuclear energy
Nuclear engineering
Nuclear reactors
Powerhouses
Radioactive wastes
Thermal pollution
Thermal power
Thermal powerplants

Nuclear probes 1402
BT –Probes (instruments)
NT Gamma probes
RT Gamma rays
Geophysical logging
–Logging (recording)
Neutron absorption
Neutron counters
Neutrons
Nuclear density meters
–Nuclear meters
Nuclear moisture meters
Nuclear safety
–Well logging

Nuclear reactions 2008
UF Fission (nuclear)
NT Nuclear fission
Radioactive decay
RT Half life
Nuclear explosions
Nuclear physics
Radioactive contamination
–Radioisotopes

Nuclear reactors 1809
UF Reactors (nuclear)
RT Coolants
Desalination plants
–Electric powerplants
Nuclear energy
Nuclear engineering
Nuclear physics
–Nuclear powerplants
Nuclear safety
Radiation shielding
Radioactive wastes

Nuclear safety 1312
BT –Safety
RT Nuclear explosions
–Nuclear probes
Nuclear reactors
Radiation hazards
Radiation shielding
Radioactive contamination
Radioactive wastes
–Shielding

Nuclear shielding
USE Shielding

Nuclear wastes
USE Radioactive wastes

Nucleation 1407
UF Rainfall nuclei
RT Chemistry of precipitation
Cloud seeding
–Condensation
Crystal growth
Crystallization
Crystallography
–Drops (fluids)
–Freezing
–Heat treatment
Ice formation
–Nuclei
Phase studies
Raindrops
Sublimation

Nuclei 0401
NT Alpha particles
RT Cavitation
Cloud seeding
–Condensation
Crystal growth
Crystallization
Grain structure (metals)
–Heat treatment
Neutrons
Nucleation
Particles
Protons

Nuclei generators 0402.1
RT Cloud modification
Cloud physics
Cloud seeding
Silver iodide generators
–Weather modification

Nuisance (water law)
USE Water pollution

Nuisance algae 0603.1
BT –Algae
–Aquatic algae
–Aquatic life
–Aquatic plants
–Plants (botany)
RT –Aquatic weeds
Fouling

Nuisance birds 0603.2
BT –Animals
–Birds
–Wildlife
RT Animal groupings
Avicides
Bird types
–Migratory birds
–Non-game birds
Non-migratory birds
–Pest control
–Repellents

Number fish per acre 0606
RT Biomass
–Fish
Fish farming
Fish harvest
Fish populations
Fish stocking
Pounds fish per acre

Numerical analysis 1201
UF Numerical method
BT –Analysis

Numerical analysis (Con.)
–Mathematical studies
NT Finite difference method
Finite element method
Gaussian distribution
Monte Carlo method
Nomographs
RT Algorithms
Approximation method
–Calculus
Computer programming
–Computers
Correlation
–Differential equations
–Equations
Finite differences
Least squares method
–Mathematical analysis
Mathematical tables
–Procedures

Numerical method
USE Numerical analysis

Nutrient requirements 0616
UF Mineral needs
Nutrition
RT Algal nutrients
–Animal physiology
–Carbohydrates
Crop production
Crop response
Deficient elements
–Diets
Disease resistance
–Energy
Essential nutrients
Fertilizers
Fish diseases
Fish food organisms
Fish management
Lodging
–Metabolism
–Nutrients
Plant physiology
–Productivity
Soil-water-plant relationships
Vitamin B
–Vitamins

Nutrients 0616
NT Algal nutrients
Cycling nutrients
Deficient elements
Essential nutrients
RT –Chemicals
–Diets
–Digestion
Dystrophy
Eutrophication
Fertility
Fertilizers
Food habits
Foods
Leaching
Nutrient requirements
Oligotrophy
–Proteins
Root distribution
Root systems
Soil analysis
Tertiary treatment
Waste assimilative capacity
Water properties
–Water quality

Nutrition
USE Nutrient requirements

Nuts 0204
BT –Crops
–Horticultural crops
–Plants (botany)
NT Macadamia
Pecans
RT Orchards

Nylon 1109
BT –Resins
–Synthetic resins
–Thermoplastic resins

O

Oak trees 0206 0603.1
UF Quercus
BT –Crops
–Deciduous trees
–Dicots
–Horticultural crops
–Plants (botany)
–Trees
RT Chaparral

Oats 0204 0603.1
UF Avena sativa
BT –Agronomic crops
–Cereal crops
–Crops
–Field crops
–Grasses
–Monocots
–Plants (botany)
RT Grains (crops)

Objectives 1407
UF Goals
RT Careers
–Exploration
–Management
Motivation
Multiple purpose
–Planning
–Projects
–Value

Observation wells 0808.1
BT –Wells
RT –Field permeability tests
–Gaging stations
–Groundwater
Groundwater management
–Hydrographs
Oil reservoirs
Perched water table
–Phreatic water
–Piezometers
Potentiometers
Pumping tests (wells)
Relief wells
–Water table
–Water wells
Wellpoints

Obsolescence 1407
NT Engineering obsolescence
RT Depreciation
Diversification
Economic life
Rehabilitation
Renovating
–Salvage
Service life
Specialization

Obsolete equipment 1505
BT –Equipment
RT –Construction equipment
–Electrical equipment
–Maintenance
Mechanical equipment
–Storage

Obstruction 1407
RT Constrictions
Retarding

Obstruction to flow 0808
RT Alteration of flow
–Barriers
Diversion
–Energy dissipation
–Friction
Groundwater barriers
Natural flow doctrine
–Piers
Reasonable use
Relative rights
–Riparian rights
–Streamflow
Streamflow depletion

Occupations 0509
RT Abilities
Careers
Crafts
–Employment
–Engineering
Labor
Labor mobility
Labor supply
Manpower
–Safety
Salaries
Social needs
Specialization
–Training
Work
Working conditions

Ocean beaches 0803
BT –Beaches
–Land forms
RT Beach erosion
Beach sands
Breakwaters
Littoral drift
Littoral zone
Oceanography
Oceans
–Ocean waves
Rip currents
Sea walls
Shore protection
Surf
Tidal effects
Tidal waters
–Tides
Tsunamis
Wave action
Wave run-up

Ocean bottom 0803
UF Ocean floors
Sea bottom
Sea floors
RT –Benthic fauna
Benthic flora
–Benthos
Continental shelf
Marine clays
Marine geology
Oceanography
Oceans
Sediment sampling
Underwater foundations

Ocean circulation 0803
BT –Circulation
–Movement
–Water circulation
RT –Hydrodynamics
–Meteorology
Navigation
–Ocean currents
Oceanography
Oceans
–Ocean waves
–Tides
Tsunamis

Ocean currents 0803
UF Currents (sea)
BT –Currents (water)
NT Rip currents
RT –Circulation
–Climate
Coasts
–Hydrodynamics
Littoral drift
Littoral zone
Ocean circulation
Oceanography
Oceans
–Ocean waves
Thermal gradient
Tidal effects
Tidal hydraulics
–Tides
Turbidity currents
Water transportation

Ocean floors
USE Ocean bottom

Oceanography 0803 0810
UF Oceanology
RT Estuaries
–Geology
Hydrography
Marine engineering
Marine geology
Ocean beaches
Ocean bottom
Ocean circulation
–Ocean currents
Oceans
–Ocean waves
Thermal gradient
–Tides
Tsunamis

Oceanology
USE Oceanography

Oceans 0806
UF Seas
BT –Bodies of water
–Land forms
–Surface waters
RT Admiralty
Aphotic zone
Atolls
Bays (topographic features)
Coasts
Continental shelf
Continental slope
Estuaries
Fjords
–Geology
Geomorphology
Groundwater hydrology
–Hydrologic aspects
Hydrologic cycle
Icebergs
Lagoons (landforms)
Law of the sea
Littoral zone
Marine air masses
–Marine animals
Marine clays
Marine engineering
Marine fisheries
Marine geology
–Navigable waters
Navigation
Neritic
Ocean beaches
Ocean bottom
Ocean circulation
–Ocean currents
Oceanography
–Ocean waves
Sea level
–Seashores
Sea water
–Shores
–Stratification
–Tides
–Tropical cyclones
–Water
Water sources
–Waterways

Ocean water
USE Sea water

Ocean waves 0803
BT –Mechanical waves
–Waves
–Waves (water)
NT Tsunamis
RT Beach erosion
Breakwaters
–Hydrodynamics
Littoral drift
Ocean beaches
Ocean circulation
–Ocean currents
Oceanography
Oceans
Sea walls
Shore protection
Surf
–Tides
Wave action
Wave energy
Waveforms
Wave generation
Wave run-up

Ochromonas 0613
BT –Algae
–Aquatic algae
–Aquatic life
–Aquatic microorganisms
–Aquatic plants
–Chrysophyta
–Microorganisms
–Plants (botany)
–Seston

Octadecanol 0703
BT –Alcohols
–Chemical compounds
–Fatty alcohols
–Organic compounds
RT Evaporation control
Evaporation retardants
Hexadecanol
Monomolecular films

Odor 0616
UF Aroma
BT –Organoleptic properties
RT Air pollution control
Air pollution effects
–Attractants
–Biological properties
–Chemical properties
Chlorination
Forage palatability
Odor-producing algae
–Organic soils
Peat
–Repellents
–Retardants
Soil classifications
Taste
Visual classifications
Water pollution effects
–Water quality

Odor-producing algae 0603.2
BT –Algae
–Aquatic algae
–Aquatic life
–Aquatic plants
–Plants (botany)
RT Odor
Water pollution sources
–Water quality

Office equipment 1505
UF Typewriters
BT –Equipment
NT Calculators
RT Reproduction (copying)

Offsets 0802
RT –Plane surveying
–Surveying

Offshore platforms 1313.5
BT –Engineering structures
–Hydraulic structures
RT –Coastal structures
Coasts
Oil industry
–Shores

Ogee crests 1313.1
BT –Hydraulic structures
–Spillways
RT Hydraulic design
Morning glory spillway
Nappe
Overflow
Shaft spillways
Ski-jump spillways
Spillway crests
Spillway piers
Spillway profiles
–Weirs

Ohio 0806
BT –Corn belt
–Geographical regions
–States (geographical)

Ohmmeters 1402
BT –Instrumentation
–Measuring instruments
–Meters
–Test equipment
RT Ammeters
Galvanometers
Voltmeters

Oil engines
USE Internal combustion engines

Oil fields 0809
RT Exploitation
Oil industry
Oil reservoirs
–Oils
Petroleum
Secondary recovery (oil)

Oil-filled cables 0901.1
RT –Electric cables
–Electric power
Insulating oil
–Transmission (electrical)

Oil industry 1308
BT –Industries
RT Exploitation
–Exploration
Gasoline
Injection
International compacts
International waters
Natural gas
Offshore platforms
Oil fields
–Oils
Oil wastes
Petroleum

Oil reservoirs 0807
UF Reservoirs (oil)
RT –Flooding
–Geologic formations
Injection
Natural gas
Observation wells
Oil fields
–Oils
Oil-water interfaces
Oil wells
Petroleum
Secondary recovery (oil)
–Sedimentary rocks
–Subsurface drainage
Underground storage

Oils 1108
BT –Fluids
NT Fuel oil
Insulating oil
Linseed oil
Transformer oils
RT –Bitumens
Fuels
Gasoline
[illegible]
[illegible]
Lubricants
Lubrication
Natural gas
Oil fields
Oil industry
Oil reservoirs
Oil shale
Oil wastes
Oil-water interfaces
Oil wells
Oily water
Petroleum
–Solvents
Submarine pipelines

Oilseed crops 0204
BT –Agronomic crops
–Crops
–Dicots
–Field crops
–Horticultural crops
–Plants (botany)
NT Peanuts
Soybeans
RT –Forage legumes
Plant groupings

Oil shale 0807
BT –Rocks
–Sedimentary rocks
–Shale
RT –Bitumens
–Bituminous materials
–Fossil fuels
–Oils
Petroleum

Oil wastes 0809
BT –Wastes
RT Chemical wastes
Fuels
Gasoline
–Industrial wastes
Oil industry
–Oils
Oily water
Petroleum
Water pollution sources

Oil-water interfaces 1407
BT –Boundaries (surfaces)
–Interfaces
RT –Groundwater
Oil reservoirs
–Oils
Oily water
–Surfaces

Oil wells 0809
BT –Wells
RT Brine disposal
Clogging
Deep-well pumping
Deep wells
–Depletion
Drill holes
–Exploration
Injection wells
Land subsidence
Natural gas
Oil reservoirs
–Oils
Petroleum
Saline water-freshwater interfaces
Secondary recovery (oil)
–Well logging

Oily water 1302.2
RT Chemical wastes
Fuels
–Oils
Oil wastes
Oil-water interfaces
–Organic wastes
Water pollution sources
Water pollution treatment

Oklahoma 0806
BT –Geographical regions
–States (geographical)
RT Reclamation states

Oldsquaw duck 0603.2
UF Changula hyemalis
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Oligochaetes 0603.2
BT –Animals
–Annelids
–Aquatic animals
–Aquatic life
–Benthic fauna
–Benthos
–Invertebrates
–Worms
NT Sludge worms
Tubificids

Oligotrophy 0606
RT Aging (biological)
Dissolved oxygen
Dystrophy
Eutrophication
–Fish
–Limnology
–Nutrients
–Oxygen
–Population
–Productivity
–Surface waters
Water properties
–Water quality

Olor buccinator
USE Trumpeter swan

Olor columbianus
USE Whistling swan

Omnivores 0603.2
BT –Animals
RT Food chains
Niches
Trophic level

Oncorhynchus gorbuscha
USE Pink salmon

Oncorhynchus keta
USE Chum salmon

Oncorhynchus kisutch
USE Sockeye salmon

Oncorhynchus tshawytscha
USE Chinook salmon

One-dimensional 1407
RT Three-dimensional
Two-dimensional

Onions 0204 0603.1
UF Allium cepa
BT –Crops
–Field crops
–Horticultural crops
–Monocots
–Plants (botany)
–Vegetable crops

On-site data collections
USE Field data

On-site investigations
USE Field investigations

On-site laboratories
USE Field laboratories

On-site tests
USE Field tests

Opacity 1407
BT –Optical properties
–Physical properties
RT Clarity
–Density
Immiscibility
Light intensity
Refractivity
Turbidity
Visibility

Open channel flow 2004
UF Hydraulics (river)
River hydraulics
BT –Channel flow
–Flow
–Fluid flow
–Movement
RT Backwater profiles
–Bends (hydraulic)
Canal design
Channel design
Converging flow
Critical tractive force
Drawdown curves
Entrance channels
Flow patterns
Friction coefficient (hydraulic)
–Gravity irrigation
Hydraulic gradient
Hydraulic radius
Irrigation design
Kutter formula
Laminar flow
Mannings equation
–Open channels
Permissible velocity
Pipe flow
Propeller meters
River currents
Roughness (hydraulic)
Salt velocity method
–Streamflow
Streamflow regulation
Test canals
Translatory waves
Trapezoidal channels
Trapezoidal flumes
Turbulent flow
Velocity distribution
Velocity head
Water stage recorders
–Water surface profiles

Open channels 0808
BT –Channels
–Waterways
NT –Canals
–Flumes
–Lined canals
Unlined canals
RT –Conduits
–Ditches
Frazil ice
Free surfaces
Grassed waterways
–Gravity irrigation
Hydraulic gradient

Open channels (Con.)
Hydraulic jump
–Hydraulics
Junctions
Open channel flow
Roughness (hydraulic)
Sewers
Test canals
Trapezoidal channels
Trapezoidal flumes

Open drains 0808.1 1302
BT –Drains
RT –Canals
Culverts
–Drainage
Drainage engineering
Drainage systems
Toe drains

Open pit mining 0809
BT –Mining
NT Quarrying
RT Coal mines
Mineral industry
–Mines
–Mine wastes
Mining engineering
–Pits
Quarries
Strip mines

Operating costs 1401
BT –Costs
RT Administrative costs
Capital costs
Construction costs
Direct costs
Electric power costs
Engineering costs
Equipment costs
Estimated costs
Fixed costs
Indirect costs
Irrigation operation & maintenance
Maintenance costs
–Operation and maintenance
Operation and maintenance costs
Overhead costs
Power operation & maintenance
–Taxes
Unit costs
Variable costs

Operating criteria 1407
BT –Criteria
RT Design criteria
–Operations
–Reservoir operation

Operation and maintenance 1407
UF Maintenance and operations
NT Irrigation operation & maintenance
Power operation & maintenance
RT –Costs
–Equipment
–Facilities
–Maintenance
Maintenance costs
Maintenance equipment
Maintenance personnel
–Management
Manuals
Operating costs
Operation and maintenance costs
–Operations
Repairing
–Reservoir operation

Operation and maintenance costs
1401
BT –Costs
RT Maintenance costs
Operating costs
–Operation and maintenance
Replacement costs

Operations 1407
NT Power system operations
–Reservoir operation
RT Automatic control
–Control
Fabrication
Industrial production
Irrigation operation & maintenance
–Maintenance
–Management
Manual control
Monitoring
–Networks
Operating criteria
–Operation and maintenance
Power operation & maintenance
–Regulation
Remote control
–Standards

Operations research 1202
NT Critical path method
Dynamic programming
Game theory
Linear programming
PERT
Queueing theory
RT Computer applications
–Constraints
–Economics
–Forecasting
Information theory
–Management
Management analysis
Management engineering
Management planning
–Mathematical analysis
–Mathematical models
–Mathematics
Monte Carlo method
Optimization
Phase studies
–Planning
Probability theory
–Quality control
Risks
Scheduling
Scientific method
Simulation
–Statistical models
Stochastic models
–Stochastic processes
Synthesis
Systems analysis
Systems engineering

Opossum shrimp 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Commercial shellfish
–Crustaceans
–Invertebrates
–Shellfish
–Shrimp

Optical instruments 2006
UF Instruments (optical)
BT –Instrumentation
NT –Borehole cameras
–Cameras
Collimators
Drill hole TV cameras
Interferometers
Microscopes
Polariscopes
Sextants
Stereoscopes
Theodolites
RT Colorimetry
Interferometers
Laboratory equipment
Lenses (optical)
–Measuring instruments
Mirrors
–Optical measurement
Prisms
–Sensors
Spectrometers
–Spectrometry
Surveying instruments

Optical lenses
USE Lenses (optical)

Optical measurement 1402
NT Colorimetry
Flame photometry
–Photometry
RT –Chemical analysis
Collimators
Emissivity
–Light
–Microscopy
–Optical instruments
–Optical properties
Polariscopes
Reflection
–Refraction
Spectrometers
Theodolites

Optical properties 2006
BT –Physical properties
–Properties
NT Isotropy
Opacity
Reflectivity
RT Anisotropy
–Diffraction
Emissivity
Flame photometry
Fluorometry
–Glass
Hypolimnion
Light intensity
Light quality
–Luminescence
–Microscopy
–Optical measurement
Optics
Orientation
Photoelasticity
Photoelectricity
Polarization
Refractivity
–Surface properties
Turbidity
Visibility

Optics 2006
BT –Physics
RT Distortion (optics)
Lenses (optical)
–Light
–Optical properties
Prisms
Reflection
–Refraction
–Spectroscopy

Optimization 1201
BT –Mathematical studies
RT Correlation
–Efficiencies
–Gradients
Least squares method
Linear programming
Management analysis
–Mathematics
–Operations research
Optimum crop yield
Optimum design
Optimum development plans
Optimum use
Peak values
–Planning
–Quality control
Ranges
–Reduction
Scheduling
–Water utilization

Optimum crop yield 0202
RT Crop production
–Crops
–Marketing
Optimization
Optimum use

Optimum design 1407
BT –Design
RT –Cost analysis
Design assumptions
Design criteria
Design practices
Design strength
–Efficiencies
Minimum weight design
Normalizing
Optimization
Optimum development plans
Optimum use
Ultimate strength design
Value engineering

Optimum development plans 0501
1314
RT Conjunctive use
Economic justification
Financial feasibility
Multiple purpose projects
Optimization
Optimum design
Optimum use
Project planning
River basin development
Water resources development
–Water utilization

Optimum moisture content 0813
UF Optimum water content
BT –Moisture content
RT Compaction tests
–Construction control
–Density
Index tests
Proctor curves
Rapid compaction control
Soil compaction
–Water content

Optimum use 1407
RT Optimization
Optimum crop yield
Optimum design
Optimum development plans
Power dispatching

Optimum water content
USE Optimum moisture content

Oranges 0204 0603.1
BT –Citrus fruits
–Crops
–Dicots
–Fruit crops
–Horticultural crops
–Plants (botany)
–Stone fruits
RT Orchards
–Trees

Orchardgrass 0603.1
UF Dactylis glomerata
BT –Agronomic crops
–Crops
–Field crops
–Forage grasses
–Forages
–Grasses
–Monocots
–Plants (botany)
RT Hay
Silage

Orchards 0204
BT –Crops
–Horticultural crops
–Plants (botany)
RT Apples
Crop production
Dates
–Dicots
–Farms
Frost protection
–Fruit crops
Grapefruit
Industrial crops
Lemons
Limes
Macadamia
–Monocots
–Nuts
Oranges
Peaches
Pecans
Plant groupings
–Trees

Oregon 0806
BT –Geographical regions
–States (geographical)
RT Reclamation states

Ores 0807 0809
RT Ball mills
–Beneficiation
–Geologic deposits
Metallurgy
–Metals
Mineral content
–Minerals
–Mines
–Mining
Rod mills

Organic acids 0703
BT –Acids
–Chemical compounds
–Chemicals
–Organic compounds
NT Amino acids
Fulvic acids

Organic clays 0807
BT –Clays

Organic clays (Con.)
–Earth materials
–Finegrained soils
–Fines
–Materials
–Organic soils
–Soils
–Soil types
RT Cohesive soils
Humic acids
Humus
Lacustrine deposits
–Loams
Muck
Muskeg
–Organic matter
Organic silts
Peat
Peat bog
Topsoil

Organic compounds 0703
BT –Chemical compounds
NT Acroleins
–Alcohols
–Aldehydes
Aldrin
Alkaloids
Alkylbenzene sulfonates
Amino acids
–Aromatic compounds
Benzene
–Bitumens
–Bituminous materials
–Carbamate pesticides
–Carbohydrates
Caseins
Cellulose
–Chlorinated hydrocarbon pesticides
Chlorophyll
Chrome lignins
Copolymers
Creosote
2,4-D
Dalapon
DDT
2,6-Dichlobenil
Dieldrin
Endrin
Ethers
Ethylene glycol
–Fatty alcohols
Fluorescein
Fulvic acids
Heptachlor
Hexadecanol
–Hydrocarbons
–Lignins
Linear alkylate sulfonates
Lipids
Metal organic pesticides
Monuron
Nitroglycerin
Octadecanol
–Organic acids
–Organophosphorus compounds
Peptides
Phenols
Propane
–Proteins
Silicones
–Sulfonates
2,4,5-T
Thiocarbamate pesticides
–Ureas
Urine
RT –Carbon compounds
–Inorganic compounds
–Organic matter
–Pesticides
Waste stabilization ponds

Organic loading 1302.1
RT Activated sludge
–Organic matter
Trickling filters
–Waste treatment

Organic matter 0807
NT –Coal
–Decomposing organic matter
Humus
Lignite
Peat
RT Biochemical oxygen demand
–Cover crops
Fertilizers
Humic acids
–Loams
Muck
–Mulching
Organic clays
–Organic compounds
Organic loading
Organic silts
–Organic soils
–Organic wastes
Oxidation lagoons
Peat bog
–Seston
Silty loams
Soil amendments
Soil components
–Solid wastes
Stagnant water
Topsoil
Tripton
Waste assimilative capacity
–Wastes
Water properties

Organic pesticides 0606
BT –Chemicals
–Pesticides
NT Aldrin
Aliphatic pesticides
Aminotriazole
Antibiotics (pesticides)
–Carbamate pesticides
–Chlorinated hydrocarbon pesticides
2,4-D
Dalapon
DDT
Diazinon
2,6-Dichlobenil
Dieldrin
Diquat
Endrin
–Halogenated pesticides
Heptachlor
Metal organic pesticides
Monuron
–Organophosphorus pesticides
Paraquat
Phenolic pesticides
–Phosphothioate pesticides
Pyridine pesticides
2,4,5-T
Thiocarbamate pesticides
Triazine pesticides
Triazole pesticides
Uracil pesticides
–Urea pesticides
RT Antimycin A

Organic productivity
USE Productivity

Organic silts 0807
BT –Earth materials
–Finegrained soils
–Fines
–Materials
–Organic soils
–Silts
–Soils
–Soil types
RT Humic acids
Humus
–Loams
Muck
Muskeg
Organic clays
–Organic matter
Peat
Peat bog
Silty loams

Organic soils 0807
BT –Earth materials
–Materials
–Soils
–Soil types
NT Organic clays
Organic silts
RT Cohesive soils
Humic acids
Humus
Lacustrine deposits
–Loams
Muck
Muskeg
Odor
–Organic matter
Peat
Peat bog
Topsoil

Organic wastes 1302.1
BT –Wastes
NT Wood wastes
RT Chemical wastes
–Decomposing organic matter
Domestic wastes
Farm wastes
Oily water
–Organic matter
Oxygen sag
Pulp wastes
–Seston
–Sewage
–Sludge
Tripton
–Water pollution
Water pollution sources

Organization charts 0501
UF Charts (organization)
BT –Charts
RT Careers
Management analysis
–Personnel
Personnel management
Professional advancement
Responsibilities

Organizations 0501
UF Associations
NT Administrative agencies
Cooperatives
Federal agencies
–Institutions
Labor unions
–Professional societies
Scientific societies
Technical societies
Trade associations
RT Civil service
Colleges
Conferences
Federal government
–Governments
Group dynamics
–Industries
–International law
Interstate commissions
Leadership
Local governments
–Management
Manufacturing
–Personnel
–Public utilities
–Schools (education)
–Sociology
State governments
Universities

Organizing 0501
RT –Budgets
Coordination
Human engineering
Industrial engineering
Labor unions
–Management
–Methodology
–Personnel
–Planning
–Procedures
Sequence

Organoleptic properties 1407
NT Odor
Taste
RT Actinomycetes
–Biological properties
Color
Domestic water
Foods
Forage palatability
Impaired water quality
–Repellents
Water properties
–Water quality

Organophosphorus compounds
0606
BT –Chemical compounds
–Organic compounds
–Phosphorus compounds
NT Diazinon
–Organophosphorus pesticides
–Phosphothioate pesticides

Organophosphorus pesticides
0606
BT –Chemical compounds
–Chemicals
–Organic pesticides
–Organophosphorus compounds
–Pesticides
–Phosphorus compounds
NT Diazinon
–Phosphothioate pesticides

Orientation 1407
BT –Training
RT Alinement
Attitudes
Azimuth
–Bearings
Crystallography
Direction finding
–Education
Isotropy
Locating
–Magnetic properties
–Maps
–Optical properties
Personnel management
–Plane surveying
Polarity
Polarization
Position finding
–Surveying
Tiltmeters

Orifice flow 2004
BT –Flow
–Fluid flow
–Movement
RT –Critical flow
Flow patterns
Fluid friction
Laminar flow
Nappe
–Orifices
Pipe flow
Steady flow
Subcritical flow
Submerged orifices
Sudden enlargements
Supercritical flow
Transient flow
Turbulent flow
–Unsteady flow
Vena contracta

Orifice meters 1402
BT –Equipment
–Flowmeters
–Instrumentation
–Measuring instruments
–Meters
–Test equipment
–Velocity meters
RT Flow measurement
–Orifices
–Pressure gages
–Pressure measuring instruments
Rotating meters
Streamflow regulation
Stream gages
Submerged orifices
Venturi meters
Water meters

Orifices 1409 2004
NT Submerged orifices
RT Apertures
–Coefficients
Contraction
Discharge measurement
Diversion structures
–Flow
–Flow control
Flow measurement
–Flowmeters
–Gates
–Hydraulics
–Intakes
Jets
Nozzles
Orifice flow
Orifice meters
–Outlets
–Pipes
Porous tube piezometers
Ports
–Tubes
–Velocity meters
–Water measurement

O-ring seals 1101
BT –Seals (stoppers)
RT Gaskets
–Rings

Ornamentals 0603.1
BT –Crops
–Horticultural crops
–Plants (botany)
NT Lilac
Snapdragons
RT Aesthetics
–Field crops
Landscaping
Plant groupings
–Shrubs
–Specialty crops
–Trees
Turf

Orographic clouds 0402
BT –Clouds
RT Cloud physics
–Meteorology
Mountains

Orographic precipitation 0402
BT –Groundwater sources
–Precipitation (atmospheric)
RT –Meteorology
Mountains
Rain
–Snow

Orography 0806
RT Alpine
Chinook
–Climatology
Geomorphology
–Land forms
–Meteorology
Microenvironment
Mountains
Topography

Oryza sativa
USE Rice

Oscillations 2011
RT Amplitude
Fluctuation
–Frequency
Frequency shifts
Low frequency
Motion
Natural frequency
Oscillators
Oscillographs
Oscilloscopes
Pendulums
Resonance
–Vibration
Waveforms

Oscillators 0901
BT –Electronic equipment
–Equipment
–Generators
RT Alternating current
–Frequency
Frequency converters
Frequency stabilizers
Natural frequency
Oscillations
Piezoelectricity
–Resonators
–Semiconductors
Signal generators
–Vibration
Vibration damping
–Vibrators (mechanical)

Oscillographs 1402
BT –Electronic equipment
–Equipment
–Instrumentation
–Measuring instruments
–Test equipment
RT Oscillations
Oscilloscopes
–Recording systems

Oscilloscopes 1402
BT –Electronic equipment
–Equipment
–Instrumentation
–Measuring instruments
–Test equipment
RT Oscillations
Oscillographs

Osmosis 0704
BT –Chemical properties
–Diffusion
–Membrane processes
–Separation
–Transport phenomena
NT Electroosmosis
Reverse osmosis
RT –Absorption
–Dialysis
Diaphragms (mechanics)
–Extraction
Filtration
Mass transfer
–Membranes
Nuclear desalting
Osmotic pressure
Semipermeable membranes
Soil physics

Osmotic pressure 0704
BT –Pressure
RT Circulation (plants)
Electroosmosis
–Expansive forces
Moisture stress
–Osmosis
Plant physiology
Reverse osmosis
Soil chemistry
–Soil moisture
Soil physics
Swelling pressure
Translocation
Turgidity
Wilting

Otters 0603.2
BT –Animals
–Mammals
–Wildlife

Outage (power)
USE Electric power failure

Outcrops 0807
RT Bedrock
–Geologic formations
–Geology
–In situ rock
–Rocks
Stratigraphy

Outdoor recreation
USE Recreation

Outdoors 1407
RT Pumping plants
–Pumps
–Recreation

Outflows 0808.1
RT –Groundwater
Groundwater flow
Hydrologic budget
Hydrologic equation
–Outlets
Pore water pressure
–Seepage
–Soil water
Soil water movement
Soil-water relationship
Water budget

Outlets 1407
NT Multilevel outlets
RT –Discharge (water)
Drainage systems
Ducts
Headwalls
Headworks
–Intakes
Intake transitions
Manholes
Nozzles
–Orifices
Outflows
–Outlet works
Ports
Sewers
Side channel spillways
Siphons
Ski-jump spillways
Sluices
Spillway piers
–Spillways
Sudden enlargements
–Transitions (structures)
Vents

Outlet works 1313.1
BT –Hydraulic structures
–Structures
NT Multilevel outlets
RT Approach channels
Bellmouths
Butterfly valves
Chute blocks
Coaster gates
–Concrete structures
–Conduits
Control structures
–Conveyance structures
Culverts
Dam construction
Dam design
–Dams
Dentated sills
Discharge lines
–Drains
–Earth dams
Emergency closures
Flashboards
Flip buckets
–Fluid flow
Freeboard
Guide walls
Headwalls
Headworks
High pressure gates
High pressure valves
–Hydraulic gates
–Hydraulic valves
Intake gates
–Intakes
–Intake structures
Intake towers
Large structures
Manifolds
–Outlets
–Pipes
Pressure conduits
Radial gates
Selective level releases
Shaft spillways
Slide gates
Sluices
–Spillways
Stilling basins
Training walls
Trashracks
–Tunnels
Water control
–Water tunnels (conveyance)

Ovens 1301
RT Dryers
–Furnaces
Heaters
Heating plants
Kilns
Laboratory equipment

Overbreak 1315
RT –Blasting
Charges (explosives)
–Excavation
–Explosive excavation
–Foundations
Overexcavation
Rock breakage
Rock excavation
Rock foundations
–Tunnel construction
Tunneling
Unlined tunnels

Overburden 0813
RT Bedrock
–Earth materials
–Geologic formations
Mining engineering
–Rocks
–Soils
Stripping
Underconsolidation

Overconsolidation 0813
BT –Consolidation
RT –Foundations
Preconsolidated soils
Preconsolidation
Rebound
–Soils
Underconsolidation

Overdraft 0808.1
RT –Depletion
–Drawdown
–Groundwater
Groundwater depletion
Groundwater mining
Prescriptive rights
–Pumping
–Recharge
Water resources development
Water supply
–Water utilization
Withdrawal

Overexcavation 1315
BT –Excavation
RT Backfills
Cuts
Cut slopes
Earthmoving
–Earthworks
–Foundations
Overbreak
Pipe laying
Rock excavation
Rock foundations
–Tunnel construction

Overfalls 1313.1
BT –Hydraulic structures
RT –Concrete structures
–Dams
Drawdown curves
–Engineering structures
Overflow
Spillway crests
–Spillways
–Weirs

Overflow 0808
RT Bores (wave)
Closed conduit spillways
–Dams
Diversion dams
–Drains
Flood damage
–Flooding
Flood plain zoning
–Floods
Floodwater
Freeboard
Headworks
Hydrologic equation
Levees
Manholes
Morning glory spillway
Nappe
Ogee crests
Overfalls
Overtopping
Sewers
Shaft spillways
Side channel spillways
Ski-jump spillways
Skimming
Spilling
Spillway capacity
Spillway crests
Spillway design flood
Spillway piers
Spillway profiles
–Spillways
Surplus water
Wasteways
–Water levels
Weir crests
–Weirs

Overhaul 1315
(excludes maintenance and repair)
RT –Borrow areas
Borrow materials
Borrow pits
Canal construction
Earthmoving
–Earthworks
–Embankments
–Excavation
–Fills
Hauling
Road construction

Overhead costs 1401
BT –Costs
RT Construction costs
–Cost allocation
–Cost analysis
Cost comparisons
Cost transfer
Direct costs
Electric power costs
Fixed costs
Indirect costs
Induced costs

Overhead costs (Con.)
Labor costs
Operating costs
Variable costs

Overhead cranes 1309
BT –Construction equipment
–Cranes (hoists)
–Materials handling equipment
RT Handling equipment
–Hoisting machinery
Traveling cranes

Overhead ground wire 0901.1
RT Electrical grounding
Electric wire
Lightning
–Protection (electrical)
–Shielding
–Transmission (electrical)
–Transmission lines

Overland flow 0808
BT –Flow
–Fluid flow
–Movement
–Runoff
–Unsteady flow
RT –Discharge (water)
–Floods
Flow patterns
Hydrologic equation
Rainfall-runoff relationships
Rain water
Sheet erosion
Sheet flow
–Slopes
Small watersheds
Snowmelt
Storm runoff
Surface runoff
Time of concentration
Transients
–Watersheds (basins)

Overloads 0903
RT –Circuit breakers
–Electric current
Electric fuses
–Electric power
Interrupters
Interrupter switches

Overlying proprietor 0504.1
RT –Groundwater
–Water rights

Overpressure 1904
BT –Pressure
RT –Blasts
–Explosions
Nuclear explosions

Overstocked
USE Stocking

Overstory
USE Canopy

Overtopping 1407
RT Banks
Dam breaches
Dam failure
–Dams
Flood damage
Flood plain zoning
–Floods
Overflow
Spillway crests
–Spillways
–Water levels
Wave run-up
–Weirs

Overturns
USE Turnovers

Overvoltage 2003
RT Circuit protection
–Electric potential
Polarization
–Protection (electrical)
Protective relaying
–Surges
Switching surges

Overwintering sites 0606
BT –Environments
–Habitats
–Sites

RT Migration patterns
–Migratory birds

Ovicides 0616
BT –Chemicals
–Pesticides
–Poisons
RT Gametocides
Insect control
–Sterilants

Oviposition 0616
RT Insect behavior
Insect eggs
–Sites

Ownership (land)
USE Land ownership

Ownership of beds 0504.1
RT –Beds
Beds under water
Boundaries (property)
High water mark
Low water mark
Navigable rivers
–Navigable waters
–Riparian rights
–Seashores
–Streambeds

Oxidation 0702 0703
BT –Chemical properties
–Chemical reactions
RT Burning
–Chemical degradation
Combustion
–Corrosion
–Decomposition
–Degradation
–Degradation (decomposition)
Electrolysis
Incineration
Iron oxides
Oxidation lagoons
Oxidation-reduction potential
–Oxides
Oxidizers
–Oxygen demand
Reduction (chemical)
Rusting
Waste stabilization ponds

Oxidation lagoons 1302.1
UF Oxidation ponds
Stabilization ponds
BT –Bodies of water
–Lagoons (ponds)
–Ponds
RT –Aerobic bacteria
–Biodegradation
–Industrial wastes
Municipal wastes
–Organic matter
Oxidation
–Settling basins
Sewage lagoons
–Sewage treatment
–Sludge
Sludge digestion
Sludge treatment
Soil disposal fields
–Stabilization
Tertiary treatment
Waste water treatment

Oxidation ponds
USE Oxidation lagoons

Oxidation-reduction potential
0702
UF EH
Redox potential
BT –Chemical properties
RT Chemical potential
–Chemical reactions
Oxidation
Oxidizers
Reduction (chemical)
Water properties

Oxides 0702
BT –Chemical compounds
–Inorganic compounds
NT Carbon dioxide
Carbon monoxide
Iron oxides
Silica
RT Oxidation

Passive metals
–Water

Oxidizers 0704 1107
BT –Chemicals
RT Bromine
Fluorine
Oxidation
Oxidation-reduction potential
–Oxygen
Ozone
Reducing agents
Reduction (chemical)

Oxygen 0702
BT –Chemical elements
–Gases
–Nonmetals
NT Photosynthetic oxygen
RT Aeration
Aerobic conditions
Biochemical oxygen demand
Chemical oxygen demand
Dissolved oxygen
Dissolved oxygen analyzers
Dystrophy
Eutrophication
Oligotrophy
Oxidizers
Oxygenation
Oxygen content
Oxygen requirements
Oxygen sag
Ozone
Soil gases
Waste assimilative capacity
Water properties

Oxygenation 0704
RT –Absorption
Aeration
Air entrainment
Dissolved oxygen
–Oxygen
Oxygen content
–Oxygen demand
Reaeration
Solubility
–Treatment
–Water purification
–Water treatment
Water treatment plants

Oxygen content 0704
RT –Chemical analysis
Dissolved oxygen
–Oxygen
Oxygenation
Water analysis
–Water quality

Oxygen demand 0616
NT Biochemical oxygen demand
Chemical oxygen demand
RT Aerobic treatment
–Limnology
Oxidation
Oxygenation
Oxygen requirements
Photosynthesis
–Productivity
Respiration
–Water quality

Oxygen requirements 0616
RT Aeration
–Animal physiology
Eutrophication
–Oxygen
–Oxygen demand
Respiration
Specifications

Oxygen sag 0606
RT Aeration
Anaerobic conditions
Biochemical oxygen demand.
Dissolved oxygen
Eutrophication
Fish physiology
–Organic wastes
–Oxygen
Reaeration
Waste assimilative capacity
Water pollution effects

Oxyura jamaicensis
USE Ruddy duck

Oysters 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Benthic fauna
–Benthos
–Commercial shellfish
–Invertebrates
–Marine animals
–Mollusks
–Shellfish
RT Clams
Mussels

Ozone 0702
BT –Gases
RT –Atmosphere
Oxidizers
–Oxygen

P

Pacific silver fir trees 0603.1
UF Abies amabilis
BT –Coniferous trees
–Conifers
–Fir trees
–Gymnosperms
–Plants (botany)
–Trees

Packers (grouting) 1303
BT –Construction equipment
–Equipment
RT –Grouting
Grouting pressure
Grout stops
–Seals (stoppers)

Packing (well)
USE Well filters

Pad footings 1313.6
BT –Footings
–Foundations
RT Columns
–Piers
Slabs
–Supports
Transmission towers

Painting 1308
BT –Coatings
RT Anodic protection
Anodizing
Blistering
Brushes
–Finishing
Lacquers
–Paints
Preventive maintenance
Primers (coatings)
–Rollers
Sealing compounds
Spraying
Stains
Surface preparation
–Surfacing
Varnishes

Paints 1103
BT –Building materials
–Coatings
–Construction materials
–Finishes
–Materials
NT Coal-tar epoxy paints
Enamels
RT Antifouling materials
Chalking
Coal tar coating
Dipping
Inhibitors
Lacquers
Linseed oil
Metal coatings
–Mixtures
Painting
–Pigments
Plastic coatings
Primers (coatings)

Paints (Con.)
–Protective coatings
–Sealants
Spraying
Thixotropy
Varnishes
Vinyl-resin coatings
Wood preservatives

Palatability
USE Forage palatability

Paleoclimatology 0807
BT –Climatology
RT Archaeology
Dendrochronology
–Glacial geology
History
–Hydrogeology
Paleontology
Stratigraphy

Paleohydrology 0808
BT –Hydrology
RT Fossils
History
–Hydrologic aspects
Paleolimnology
Paleontology
–Quaternary period

Paleolimnology 0808
BT –Hydrologic aspects
–Limnology
RT Fossils
History
Paleohydrology
Paleontology
–Quaternary period

Paleontology 0807
RT Archaeology
–Dating
Fossils
–Geology
History
Paleoclimatology
Paleohydrology
Paleolimnology
Palynology
Sedimentology
Stratigraphy
Zoology

Paleosols 0807
BT –Soil types
RT –Glacial deposits
–Glacial geology
Glacial soils
History
Pleistocene epoch

Paleozoic era 0807
BT –Geologic time
RT History

Pallets
USE Handling equipment

Palynology 0807
UF Fossil pollen
RT –Geology
History
Paleontology
Pollen
–Quaternary period
–Sediments
Spores

Pampas
USE Grasslands

Pandallus boreallis
USE Pink shrimp

Panels 1303
RT Acoustic insulation
Electric terminals
–Shielding
–Walls

Pan evaporation 0808 1402
BT –Evaporation
RT Evaporation coefficient
Evaporation pans
Reservoir evaporation
Wind speed

Pan fish 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Wildlife
NT Bass
Brook trout
Brown trout
Bullheads
–Catfishes
Channel catfish
Cutthroat trout
Lake trout
Madtoms
Rainbow trout
Roanoke bass
Rock bass
–Sunfishes
–Trout
RT Bait fishing
Fish types
Fly fishing
–Freshwater fish
Sport fish
Warm-water fish

Panicum virgatum
USE Switchgrass

Panning 0809
UF Washing (panning)
BT –Mining
–Separation techniques
RT Cleaning
Gold
Hydraulic mining
–Mines
Placer mining

Paper 1112
RT Fiberboards
–Fibers
Labels
–Laminates
Pipe wrappings
Pulp and paper industry
Sheets

Paper industry
USE Pulp and paper industry

Paper pulp wastes
USE Pulp wastes

Parametric hydrology 0808
BT –Hydrologic aspects
–Hydrology

Paraquat 0606
BT –Chemical compounds
–Chemicals
–Herbicides
–Organic pesticides
–Pesticides
–Sulfur compounds

Parasites 0603
NT –Animal parasites
–Bacteria
Fish parasites
–Fungi
Trematodes
RT Animal pathology
Epizootiology
–Hosts
Nematodes
Niches
Protozoa
–Worms
Zoonoses

Parasitism 0605
BT –Pathology
RT Biocontrol
–Diseases
–Ecology
–Toxicity

Parental care 0511
RT Broods
Social behavior

Parity prices 0202
BT –Prices
RT Adjusted prices
Farm prices
Government finance
Government supports
Parity ratios
Water rates

Parity ratios 0202
RT Parity prices
–Pricing
Water rates

Parking areas 1302
RT Airports
Aprons
Automobiles
City planning
Garages
–Pavements
Paving
–Surfacing
Vehicles

Parks 0511
NT National historic parks
–National parks
RT Aesthetics
Camping
–Conservation
–Forests
Landscaping
Land use
Lawns
–Natural resources
Playgrounds
–Public land
Public works
–Recreation
–Recreation facilities
–Resource conservation
Scenery
Scenic highways

Parshall flumes 1313.1
BT –Flumes
–Venturi flumes
RT Flow measurement
–Water measurement

Participating funds 0503
RT Capital
Finance
Financing
Investment

Particle distribution 1407
RT Particles
Particle shape
–Sampling

Particles 1407
RT Aerosols
–Air pollution
–Colloids
–Drops (fluids)
–Dust
–Fines
Fly ash
–Fog
–Granular materials
Grit
Mist
–Nuclei
Particle distribution
Particle shape
Particle size
Pollen
Powders
Smog
Smoke

Particle shape 1407
BT –Shape
RT –Filters
–Geometric shapes
–Gradation analysis
Grain shapes
Grain sizes
Grain structure (metals)
–Granular materials
Granules
Particle distribution
Particles
Particle size
–Sediments
Settling velocity

Particle size 1407
BT –Size
RT –Aggregates
Boulders
–Clays
Cobbles
–Drops (fluids)
–Dust
–Filters
–Fines
Gradation
–Gradation analysis
Grain sizes
Grain structure (metals)
Granules
–Gravels
Particles
Particle shape
–Sands
–Sediments
Settling velocity
Sieve analysis
–Silts
–Soil physical properties
–Soil properties
Specific surface
Stokes law
Suspended load
Suspended sediments
Suspended solids
Uniformity coefficient

Paspalum dilatatum
USE Dallisgrass

Paspalum notatum
USE Bahiagrass

Passive metals 1106
RT Aluminum
Chemical stability
Corrosion resistance
Nickel
–Oxides
Tin

Passive pressure 0813
BT –Earth pressure
–Pressure
RT Active pressure
At rest pressure
Horizontal loads
–Lateral forces
Pressure distribution
Rankine pressure
–Retaining walls
Stress distribution
Surcharge

Pasture 0205
BT –Biomes
–Grasslands
–Regions
RT Carrying capacity
–Farms
–Feeds
–Forage grasses
–Forages
–Land
–Legumes
Pasture management
Ranges

Pasture management 0205
UF Meadow management
BT –Management
RT Carrying capacity
Competition
–Conservation
Crop response
–Cutting management
Dairy industry
Grazing
Grazing land
–Irrigation practices
Pasture
Planting management
Range management
–Resource conservation
Seeding
–Soil management
Vegetation regrowth

Patents 0502
RT Competition
Inventions
Leases
–Legal aspects
–Licenses
Litigation
Proprietary power
–Regulations
Royalties

Path of pollutants 1302.2
RT –Air pollution
–Analytical techniques
–Drainage

Path of pollutants (Con.)
Dye releases
–Indicators
Leaching
–Movement
Percolation
Pesticide kinetics
Pollutants
Soil contamination
Stream pollution
Thermal pollution
–Tracers
Tracking techniques
–Transfer
Translocation
–Water pollution

Pathogenic bacteria 0613
BT –Bacteria
–Microorganisms
–Plants (botany)
RT Actinomycetes
–Aquatic microorganisms
–Coliforms
E. coli
–Enteric bacteria
Mycobacterium
Myxobacteria
Pseudomonas
Salmonella
Sewage bacteria
Shigella
Streptococcus

Pathogenic fungi 0603.1
BT –Fungi
–Microorganisms
–Plants (botany)
RT –Animal diseases
–Aquatic fungi
Fish diseases
–Plant diseases
Verticillium

Pathology 0605
NT Animal pathology
Epiphytology
Human pathology
Parasitism
–Plant pathology
RT –Biology
–Hosts
–Human diseases
–Toxicity
Vectors (biology)

Pavements 1302.4
NT Concrete pavements
Flexible pavements
–Rigid pavements
RT Airports
Aprons
–Asphalt cement
–Asphalts
Base courses
–Bituminous cements
Bituminous concretes
Bridge decks
Catalytically blown asphalt
–Coatings
Concrete finishing
–Concretes
Highway engineering
–Highways
Parking areas
Paving
Road construction
Road design
–Roads
Runways
Seal coat
Slabs
Soil cement
Streets
Subbase
Subgrade
–Surfacing
Trafficability
Transverse joints

Paving 1302.4
RT Airports
Aprons
Armoring (streambed)
Asphalt plants
–Asphalts
Binders
–Bituminous cements
Bituminous concretes
Bricks
Catalytically blown asphalt
–Coatings
Concrete pavements
–Concrete placing
–Construction
Cutback asphalts
–Drainage
Highway engineering
Highway relocation
–Highways
Parking areas
–Pavements
Roadbanks
Road construction
–Roads
Runways
Soil cement
Surface preparation
–Surfacing
Water harvesting

Payment 0501 0503
NT Cost repayment
RT Compensation
–Costs
Credit
Earnings
Engineering costs
Fringe benefits
Incentives
–Insurance
Insurance costs
Interest (finance)
Inventions
Labor costs
–Prices
–Rates
Royalties
Salaries
–Taxes
Wages

Peaches 0204 0603.1
UF Prunus persica
BT –Crops
–Dicots
–Fruit crops
–Horticultural crops
–Plants (botany)
–Stone fruits
RT Orchards
–Trees

Pea gravel 1303
BT –Earth materials
–Granular materials
–Gravels
–Materials
–Soils
–Soil types
RT –Aggregates
Bedding materials
Coarse aggregates
–Sands

Peak discharge 0808
BT –Discharge (water)
RT Design flood
Flood hydrographs
Flood peaks
–Floods
Flood waves
Frequency curves
Maximum probable flood
Peak floods
Rational formula
Runoff coefficient
Spillway capacity
Surface runoff

Peak floods 0808
BT –Floods
RT Design flood
Flood peaks
–Hydrographs
Maximum probable flood
Peak discharge
Peak runoff
Rational formula
Runoff coefficient
Surface runoff

Peaking capacities 1002.1
UF Capacities (peaking)
RT Base loads
–Electric generators
Electric networks
Electric power demand
–Electric powerplants
–Electric power production
Hydroelectric power
Hydroelectric powerplants
Hydroelectric resources
Load factors
Peak loads (electric)
Peak power

Peak loads (electric) 1002.1
RT Base loads
–Electric generators
Electric networks
Electric power costs
Electric power demand
–Electric power production
Electric power rates
Hydroelectric power
Load factors
Peaking capacities
Peak power

Peak power 1002.1
BT –Electric power
–Power
RT Base loads
–Electric generators
Electric networks
Electric power costs
Electric power demand
–Electric power production
Electric power rates
Hydroelectric power
Load factors
Peaking capacities
Peak loads (electric)

Peak pressures
USE Peak values

Peak runoff 0808
BT –Runoff
RT Annual floods
–Drainage
Flood control
Flood forecasting
Flood hydrographs
Flood peaks
Flood routing
–Floods
Lysimeters
Peak floods
–Rainfall
River basins
Snowmelt
Soil erosion
Spillway capacity
–Streamflow
Surface runoff
–Surface waters
–Watersheds (basins)

Peak values 1201
UF Peak pressures
BT –Value
RT Optimization

Peanuts 0204 0603.1
UF Arachis hypogaea
BT –Agronomic crops
–Crops
–Dicots
–Field crops
–Fruit crops
–Horticultural crops
–Legumes
–Oilseed crops
–Plants (botany)
–Stone fruits

Peat 0807
UF Peat soils
Peaty soils
BT –Earth materials
–Materials
–Organic matter
–Soils
RT –Bogs
–Coal
Fen
–Fossil fuels
Fuels
Humic acids
Humus
Lacustrine deposits
Lignite
–Marshes
Muck
Muskeg
Odor
Organic clays
Organic silts
–Organic soils
Peat bog
–Soil types

Peat bog 0807
BT –Bogs
–Land forms
RT –Fossil fuels
Fossils
Humic acids
Humus
Lacustrine deposits
–Marshes
Muck
Organic clays
–Organic matter
Organic silts
–Organic soils
Peat

Peat soils
USE Peat

Peaty soils
USE Peat

Pecans 0204 0603.1
UF Carya illinoensis
BT –Crops
–Dicots
–Fruit crops
–Horticultural crops
–Nuts
–Plants (botany)
–Stone fruits
RT Orchards
–Trees

Peccary 0603.2
BT –Animals
–Big game
–Mammals
–Wildlife

Pedalfers 0807
NT Gray-brown podzolic soils
Laterites
–Podzols
Prairie soils
Red podzolic soils
Yellow podzolic soils
RT –Acidic soils
Chernozems
–Forests
Forest soils
Humid climates
–Iron compounds
–Soil groups
–Soil types
Subtropic
Temperate
Tropic
Wet climates

Pedocals 0807
BT –Soil types
NT Brown soils
Chestnut soils
Sierozems
RT –Alkaline soils
Arid lands
–Calcareous soils
–Calcium carbonate
Caliche
Chernozems
–Grasslands
Lime
Semiarid climates
–Soil groups

Pedological systems
USE Soil science

Pedology
USE Soil science

Peeling 1308
RT Adhesion
–Cutting
–Mechanical properties

Pegmatites 0807
BT –Crystalline rocks
–Igneous rocks
–Plutonic rocks
–Rocks
RT –Acidic rocks

Pegmatites (Con.)
Granite

Pelecypods
USE Mollusks

Pelton turbines 1307.1
BT –Hydraulic machinery
–Hydraulic turbines
–Turbines
RT Axial flow turbines
Francis turbines
Impulse turbines
Kaplan turbines
Turbine wheels

Pendulums 1402
RT Gravimeters
Gravity
Momentum
Oscillations

Penetration 1407
NT Light penetration
RT –Absorption
Boring
California bearing ratio
–Diffusion
Dispersion
–Drilling
Infiltration
Inflow
Jetting
–Leakage
Penetration resistance
Penetration tests
Penetrometers
Percolation
Permeability
Pile bearing capacities
–Pile driving
–Saline water intrusion
Saturation
–Seepage
Stains
Vulnerability

Penetration (frost)
USE Frost action

Penetration resistance 0813
BT –Resistance
RT –Bearing capacity
Hardness
–Penetration
Penetration tests
Penetrometers
Pile bearing capacities
–Pile driving
Pile-driving formulas
Pile friction
Relative density
Soil density
Soil investigations
Soil profiles
–Soil tests
Toughness

Penetration tests 1402
BT –In situ tests
–Materials tests
–Tests
RT Field density
–Field tests
Foundation bearing tests
Foundation investigations
–Nondestructive tests
–Penetration
Penetration resistance
Penetrometers
Soil investigations
–Soil tests
Subsurface investigations

Penetrometers 1402
BT –Equipment
–Instrumentation
–Measuring instruments
–Meters
–Test equipment
RT –Penetration
Penetration resistance
Penetration tests
–Soil tests

Pennsylvania 0806
BT –Geographical regions
–States (geographical)

Penstocks 1311.1
BT –Conduits
–Conveyance structures
–Hydraulic structures
RT Aqueducts
–Bends (hydraulic)
Bifurcations
Coaster gates
–Concrete structures
–Dams
Discharge lines
Diversion tunnels
–Entrances (fluid flow)
Forebays
High head
Hydraulic conduits
–Hydraulic turbines
Hydroelectric power
–Intakes
–Intake structures
Intake towers
Kaplan turbines
Large structures
Manifolds
–Noncircular conduits
–Pipelines
–Pipes
–Powerplants
Pressure conduits
Pressure pipes
Pressure tunnels
Ring stiffeners
Steel pipes
Stiffeners
Stress relieving
Surge tanks
Trifurcations
–Tunnels
–Turbines
Underground powerplants
Vacuum breakers
Velocity distribution
–Water tunnels (conveyance)

Peptides 0601
BT –Chemical compounds
–Nitrogen compounds
–Organic compounds
RT Amino acids
–Proteins

Perca flavescens
USE Yellow perch

Perched water 0808.1
BT –Groundwater
–Phreatic water
–Water
RT Impervious soils
Perched water table
Water sources
–Water table
–Water wells

Perched water table 0808.1
BT –Water table
RT Aquicludes
–Groundwater
Observation wells
Perched water
Subsurface moisture
–Water levels
–Well logging

Perches 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Freshwater fish
–Wildlife
NT Darters
Roanoke bass
Rock bass
Sauger
Walleye
Yellow perch
RT White perch

Percina species
USE Darters

Percolating water 0808.1
BT –Groundwater
–Water
–Water types
RT Artesian water
Confined water
Percolation
–Seepage
Subsurface runoff
Underground streams
Well permits
Well regulations

Percolation 0808.1
UF Gravity flow
BT –Flow
–Movement
–Unsaturated flow
RT Canal seepage
Capillarity
Capillary conductivity
Deep percolation
–Diffusion
–Extraction
–Field permeability tests
Flow patterns
Gravitational water
Groundwater movement
Groundwater recharge
–Groundwater sources
Hydraulic conductivity
Induced infiltration
Infiltration
Interstices
–Irrigation water
Leaching
Lysimeters
Mole drainage
Mole irrigation
Path of pollutants
–Penetration
Percolating water
Percolation tests
Permeability
–Permeability tests
–Pervious soils
–Phreatic water
Pit recharge
Ponding tests
Porosity
Rainfall-runoff relationships
Recharge wells
Rock properties
–Runoff
–Seepage
Seepage losses
–Separation
–Soil moisture
–Soil physical properties
–Soil properties
Soil structure
Soil texture
–Soil water
Soil water movement
Specific yield
Spreading basins
–Subsurface drainage
Underflow
Underseepage
–Vadose water
Voids
Water application rate

Percolation tests 0808.1
BT –Tests
RT Hydrostatic pressure
Infiltration
–Leakage
Percolation
Permeability
–Permeability tests
Pressure tests
Test holes
–Water loss

Percussion drilling 1315
BT –Drilling
RT –Blasting
–Borings
Drill holes
–Drilling equipment
–Excavation
–Exploration
–Mining
Rotary drilling
–Well logging
–Wells

Perennial ryegrass 0603.1
UF Lolium perenne
BT –Agronomic crops
–Crops
–Field crops
–Forage grasses
–Forages
–Grasses
–Monocots
–Plants (botany)
RT –Turf grasses

Perennial streams 0808
BT –Bodies of water
–Land forms
–Running waters
–Streams
–Watercourses (legal)
–Waterways
RT Ephemeral streams
–Non-perennial streams
–River flow
–Rivers
Seasonal
–Streamflow

Performance 1407
RT Abilities
–Behavior
Careers
–Codes
–Consistency
–Contract administration
Contracting officers
–Efficiencies
–Evaluation
Fatigue (physiology)
Human engineering
Job analysis
Performance rating
Performance tests
–Personnel
Plant efficiencies
Product evaluation
–Productivity
Professional advancement
Professional development
–Properties
Pump tests
Reliability
Responsibilities
Specifications
–Standards
Supply contracts
Time and motion studies
–Water utilization

Performance curves
USE Performance tests

Performance rating 0509
RT Acceptability
–Equipment
–Evaluation
Job analysis
–Machines
Performance
Performance tests
–Personnel
Personnel management

Performance tests 1402
UF Curves (performance)
Performance curves
BT –Tests
RT Acceptability
Acceptance tests
–Codes
–Inspection
–Materials tests
Performance
Performance rating
Specifications
–Standards

Periodic variations 1407
UF Recurrence intervals
NT Diurnal variations
–Elastic waves
–Electromagnetic waves
Light waves
Longitudinal waves
–Mechanical waves
Seasonal variations
–Tides
Translatory waves
–Waves
–Waves (water)
RT –Climatology
Cyclic loads
Freeze-thaw cycle
Loading rate
Time series analysis
Variability
Waveforms

Period of growth 0616
RT Biorhythms
Growing period
Growth rates
–Growth stages
–Life cycles
Life expectancy
Life history studies
Seasonal

Periphyton 0603
UF Aufwuchs
BT –Aquatic life
RT –Algae
–Animals
–Aquatic algae
–Aquatic animals
–Marine animals
–Plants (botany)
–Rooted aquatic plants
Sessile algae
Underwater

Perlite 0807
BT –Acidic rocks
–Igneous rocks
–Minerals
–Rocks
–Volcanic rocks
RT Cushioning
–Insulation
Lightweight aggregates
–Mechanical insulation
Pumice
Rhyolite
Vermiculite

Permafrost 0812
BT –Frozen soils
–Soil types
RT Arctic
–Climatology
–Cold regions
Cold weather construction
–Foundations
–Freezing
Frost
Frost action
Frost heaving
–Ice
Ice lenses
Soil mechanics
Subarctic
Tundra

Permanent wilting
USE Wilting point

Permeability 0808.1
UF Impermeability
BT –Hydrologic properties
–Physical properties
RT Air void ratio
Aquicludes
–Aquifers
Capillarity
Capillary action
Capillary conductivity
Compacted soils
–Compaction
Concrete properties
–Conductivity
Darcys law
–Diffusion
Diffusivity
Dupuit-Forchheimer theory
–Field permeability tests
Filter tests
–Flow
Gravitational water
Groundwater flow
Groundwater movement
Hydraulic conductivity
Impervious blankets
Impervious linings
Impervious membranes
Impervious soils
Infiltration
Interstices
Laplace equation
Leaching
–Leakage
–Membranes
–Penetration
Percolation
Percolation tests
Permeability coefficients
–Permeability tests
Permeameters
–Pervious blankets
Pervious linings
Pervious membranes
–Pervious soils
Piezometry
Pores
Pore size
Porosity
Porous media
Rock properties
Saturated flow
–Seepage
Soil amendments
Soil disposal fields
–Soil moisture
Soil moisture movement
–Soil physical properties
–Soil properties
Soil texture
–Soil water
Soil water movement
Specific retention
Specific yield
Strip aquifers
–Subsurface drainage
Subsurface irrigation
–Surface properties
Surface sealing
Theis equation
Thiems equation
Transmissibility coefficient
Transmissivity
Two-part aquifers
Underflow
Underseepage
–Unsaturated flow
Viscosity
Voids
Watertight
–Water yield
–Well logging
Wettability

Permeability coefficients 0808.1
BT –Coefficients
RT Capillary action
Darcys law
–Flow
Groundwater movement
Hydraulic gradient
Permeability
–Permeability tests
Porosity
–Seepage

Permeability tests 0808.1
BT –Field tests
–In situ tests
–Materials tests
–Tests
NT –Field permeability tests
Thiem test
RT Hydrostatic pressure
Infiltration
Infiltration capacity
Infiltration rate
Percolation
Percolation tests
Permeability
Permeability coefficients
Pressure tests
Rock tests
–Soil tests
–Well logging

Permeameters 1402
BT –Equipment
–Instrumentation
–Measuring instruments
–Test equipment
RT Darcys law
Flow measurement
–Flowmeters
Lysimeters
Permeability
–Piezometers

Permeation
USE Infiltration

Permissible velocity 2004
RT Cavitation index
Critical velocity
–Fluid flow
Open channel flow
Pipe flow
–Protective coatings
Pump intakes

Permits 0504.1
NT Irrigation permits
Water permits
Well permits
RT Administrative agencies
–Control
–Foreign trade
Hydroelectric project licensing
Laws
–Legal aspects
Legislation
–Licenses
Litigation
–Prior appropriation
–Regulations
Royalties
State governments

Permselective membranes 1107
BT –Membranes
RT Anions
Cations
–Demineralization
–Desalination
Desalination apparatus
Electrodialysis
–Ion exchange
–Ions
–Membrane processes
Tertiary treatment
–Waste treatment
Waste water treatment
Water pollution treatment

Persistence 1407
RT Balance of nature
Competition
Crop response
–Degradation (decomposition)
–Durability
–Environmental effects
Leaching
Longevity
–Movement
Pesticide kinetics
Pesticide toxicity
–Population
–Resistance
Soil sterilants
–Strength
–Succession
Translocation

Personal property 0504.1
RT –Legal aspects
Real property

Personnel 0509
UF Employees
NT Architects
Consulting engineers
Designers
–Engineering personnel
Executives
Government employees
Maintenance personnel
–Professional personnel
Scientific personnel
–Technologists
RT Civil service
Competition
Construction management
–Education
Employee relations
–Employment
Fringe benefits
Industrial relations
Labor
Labor costs
Labor supply
Logistics
–Management
Management analysis
Manpower
Organization charts
–Organizations
Organizing
Performance
Performance rating
Personnel management
–Procurement
Production planning
–Productivity
Replacing
–Requirements
–Resources
Salaries
Self-improvement
Supervision
–Training
Wages
Working conditions

Personnel management 0501 0509
BT –Management
RT Abilities
–Administration
Applied psychology
–Appraisals
Benefit sharing
–Budgets
Careers
Civil service
–Classifications
Competition
Construction management
–Costs
–Education
–Employment
–Evaluation
Fringe benefits
Group dynamics
Human engineering
Incentives
Industrial engineering
–Instruction
Job analysis
Labor costs
Labor unions
Leadership
Management engineering
Management planning
Management training
Manpower
Organization charts
Orientation
Performance rating
–Personnel
Professional advancement
Professional development
Public relations
–Regulations
–Relocation
Responsibilities
Supervision
–Training
Working conditions

PERT 0501
BT –Operations research
RT Arrow diagrams
–Computer programs
–Computers
Critical path method
Estimating
Flow charts
–Management
–Networks
–Planning
–Production
Production control
Production planning
–Programs
Project planning
Scheduling

Pervious blankets 1313.1
BT –Blankets
NT Rock blankets
RT Canal linings
–Drainage
Earth linings
–Filters
–Gravels
Permeability
Pervious linings
Pervious membranes
–Pervious soils
Seepage control
Self-spillway dams

Pervious linings 1313.1
BT –Linings
RT Canal linings
Earth linings
Gravel blankets
Permeability
–Pervious blankets
Pervious membranes
–Pervious soils
Rigid linings
Rock blankets
Self-spillway dams

Pervious membranes 1107
BT –Membranes
RT Impervious membranes
Permeability

Pervious membranes (Con.)
–Pervious blankets
Pervious linings
Transition zones
Zoned embankments

Pervious soils 0807
BT –Earth materials
–Materials
–Soils
–Soil types
NT –Gravels
–Sands
RT –Aquifers
Coarse aggregates
Cohesionless soils
French drains
Grain sizes
–Granular materials
–Groundwater
Impervious soils
Infiltration
Loose soils
Percolation
Permeability
–Pervious blankets
Pervious linings
–Silts
Soil texture
Soil water movement

Pest control 0606
UF Eradication (pests)
BT –Control
NT Algal control
Aquatic weed control
Brush control
Insect control
–Weed control
RT Adoption of practices
Agriculture
–Animal control
–Animals
–Application methods
–Attractants
Biocontrol
Burning
Chemcontrol
Cultural control
Desiccants
Entomology
Environmental sanitation
Farm management
Fish diseases
Fish parasites
–Flooding
–Insects
Integrated control measures
Irrigation ditches
Mechanical control
Nuisance birds
–Pesticides
–Physical control
–Plant diseases
–Poisons
Preservation
Public health
–Repellents
Sanitary engineering
Sanitation
Seed treatment
Soil sterilants
Soil treatment
Spraying
–Sterilants

Pesticide drift 0606
UF Drift (pesticide)
BT –Drift
RT Aerosols
–Dust
–Movement
Pesticide kinetics
Pesticide residues
–Pesticides
Sprays
Volatility

Pesticide kinetics 0606
BT –Kinetics
RT –Absorption
Distribution patterns
–Flow
Formulation
Leaching
–Movement
Path of pollutants
Persistence
Pesticide drift
Pesticide residues
–Pesticides
Pesticide toxicity
–Soil water
Translocation
Volatility

Pesticide removal 0606
RT Pesticide residues
–Pesticides
Water pollution treatment
–Water purification

Pesticide residues 0606
UF Deposition (pesticides)
RT Bioassay
Bioindicators
Chemical wastes
Fishkill
Fish physiology
–Hazards
Mortality
Pesticide drift
Pesticide kinetics
Pesticide removal
–Pesticides
Pesticide toxicity
Phytotoxicity
Pollutants
Public health
Soil contamination
Water analysis
Water pollution sources
–Water quality

Pesticides 0606
BT –Chemicals
–Poisons
NT Acaricides
Aldrin
Algicides
Aliphatic pesticides
Aminotriazole
Antibiotics (pesticides)
–Antihelminthes (pesticides)
Antiprotozoals (pesticides)
–Arsenicals (pesticides)
Avicides
Bactericides
–Carbamate pesticides
–Chlorinated hydrocarbon pesticides
2,4-D
Dalapon
DDT
Diazinon
2,6-Dichlobenil
Dieldrin
Diquat
Endrin
–Fumigants
Fungicides
Gametocides
–Halogenated pesticides
Heptachlor
–Herbicides
–Inorganic pesticides
–Insecticides
Larvicides
Metal organic pesticides
Molluscacides
Monuron
Nematocides
–Organic pesticides
–Organophosphorus pesticides
Ovicides
Paraquat
Phenolic pesticides
–Phosphothioate pesticides
Piscicides
Post-emergents
Pre-emergents
Pyridine pesticides
Rodenticides
Sodium arsenite
Soil sterilants
Spirochetalicides (pesticides)
2,4,5-T
Thiocarbamate pesticides
Triazine pesticides
Triazole pesticides
Uracil pesticides
–Urea pesticides
Viricides
Wood preservatives (pesticides)
RT Adjuvants
–Agricultural chemicals
Antimycin A
–Application methods
–Attractants
Balance of nature
–Control
Copper sulfate
Creosote
–Crops
Desiccants
Food chains
Inhibitors
Integrated control measures
Lethal limit
–Organic compounds
–Pest control
Pesticide drift
Pesticide kinetics
Pesticide removal
Pesticide residues
Pesticide toxicity
Phytotoxicity
Plant growth regulators
–Repellents
Rotenone
Seed treatment
Soil treatment
–Sterilants
Systemics
–Toxicity
–Toxins

Pesticide toxicity 0620
BT –Toxicity
RT Balance of nature
Environmental sanitation
Fishkill
Persistence
Pesticide kinetics
Pesticide residues
–Pesticides
Phytotoxicity
–Poisons
Public health

Petrofabrics 0807
RT Grain shapes
–Microscopy
Petrographic investigations
–Petrography
–Petrology
–Rocks
Structural geology

Petrographic investigations 0807
BT –Geologic investigations
–Investigations
–Petrography
RT –Analytical techniques
Crystallography
–Geology
Materials engineering
–Microscopy
Mineral analysis
Mineralogy
Petrofabrics
–Petrology
–Rocks
Soil investigations

Petrography 0807
BT –Geology
NT Petrographic investigations
RT Andesite
–Classifications
Crystallography
–Igneous rocks
–Metamorphic rocks
–Microscopy
Mineral analysis
Mineral content
Mineralogy
–Minerals
Petrofabrics
–Petrology
Rock properties
–Rocks
Sedimentary petrology
–Sedimentary rocks
–Soils

Petroleum 1107
BT –Bitumens
–Hydrocarbons
–Natural resources
RT –Asphalts
Fuel oil
Fuels
Gasoline
Greases
–Minerals
Natural gas
Oil fields
Oil industry
Oil reservoirs
–Oils
Oil shale
Oil wastes
Oil wells
Waxes

Petrology 0807
BT –Geology
–Sciences
NT Sedimentary petrology
RT Andesite
–Geophysics
–Igneous rocks
–Metamorphic rocks
Mineral analysis
Mineral content
Mineralogy
Petrofabrics
Petrographic investigations
–Petrography
Rock properties
–Rocks
–Sedimentary rocks
Sedimentology
Stratigraphy
Structural geology

PF
USE Moisture tension

pH 0704
UF Hydrogen ion concentration
BT –Chemical properties
RT Acidity
–Acids
Alkalinity
–Alkalis (bases)
Buffers (chemistry)
Concentration
Neutralization
Salinity meters
Soil chemical properties
–Water chemistry
Water properties

Phaeophyta 0603 1
UF Algae (brown)
Brown algae
BT –Algae
–Plants (botany)
RT –Aquatic algae
–Aquatic microorganisms
–Aquatic plants

Phanerodon furcatus
USE White seaperch

Phase control 2014
UF Phase meters
Phase modulation
Phase shifters
Phase shifts
BT –Control
RT Anodes
Direct current
–Electronic equipment
Harmonics
Rectifiers
–Television
Voltage regulators

Phase diagrams 0704
BT –Diagrams
RT –Alloys
Equilibrium
Liquids
Melting
Metallurgy
Phase transformations
–Pressure
Solubility
–Temperature
–Thermal analysis
–Thermal properties

Phase meters
USE Phase control

Phase modulation
USE Phase control

Phaseolus vulgaris
USE Beans

Phase shifters
USE Phase control

Phase shifts
USE Phase control

Phase studies 1407
RT Astronomy
–Chemistry
Cloud physics
–Construction
Cryogenics
Crystallization
–Demineralization
Electrical engineering
Evaporation control
Nucleation
–Operations research
–Physics
–Planning
Sublimation
Transpiration

Phase transformations 1407
BT –Transformations
RT Crystallization
Crystallography
Phase diagrams

Phenolic pesticides 0606
BT –Chemicals
–Organic pesticides
–Pesticides

Phenolic plastics
USE Phenolic resins

Phenolic resins 1109
UF Phenolic plastics
BT –Resins
–Synthetic resins
–Thermosetting resins

Phenology 0606
RT Biorhythms
–Ecology
–Environmental effects
Flowering
–Growth stages
–Life cycles
Life expectancy
Life history studies
Photoperiodism
–Plant growth

Phenols 0703
BT –Aromatic compounds
–Chemical compounds
–Organic compounds
RT Chemical wastes
–Industrial wastes
Water pollution sources

Philacte canagica
USE Emperor goose

Phloem 0603
UF Sieve tubes
BT –Plant tissues
–Vascular tissues
RT Bark
Fibers (plant)
Root systems
Translocation
–Xylem

Phoenix dactylifera
USE Dates

Phosphates 0702
BT –Chemical compounds
–Phosphorus compounds
NT Sodium phosphates
RT Fertilizers
–Salts

Phosphorus 0702
BT –Chemical elements
–Nonmetals
NT Phosphorus radioisotopes
RT Phosphorus alloys
–Phosphorus compounds

Phosphorus alloys 1106
BT –Alloys
–Metals
RT –Phosphorus

Phosphorus compounds 0702 0703
BT –Chemical compounds
NT Diazinon
–Organophosphorus compounds
–Organophosphorus pesticides
–Phosphates
–Phosphothioate pesticides
Sodium phosphates
RT Fertilizers
–Phosphorus

Phosphorus radioisotopes 1802
BT –Chemical elements
–Isotopes
–Phosphorus
–Radioisotopes

Phosphothioate pesticides 0606
UF Thiophosphate pesticides
BT –Chemical compounds
–Chemicals
–Organic pesticides
–Organophosphorus compounds
–Organophosphorus pesticides
–Pesticides
–Phosphorus compounds
–Sulfur compounds
NT Diazinon

Photoactivation 0616
RT –Animal physiology
Biochemistry
Biorhythms
Diurnal
–Light
Photoelectricity
Photoperiodism
Photosynthesis
–Pigments
Plant physiology
–Plant pigments

Photoconductors
USE Semiconductors

Photoelasticity 2012
BT –Mechanical properties
RT –Model studies
Model tests
–Optical properties
Stress analysis
Stress concentration
Stress distribution
–Structural analysis

Photoelectricity 2003
RT –Electric current
–Electric potential
–Light
–Optical properties
Photoactivation

Photogeology 0807
BT –Geology
RT Aerial photography
Aerial reconnaissance
Aerial surveys
–Exploration
–Geologic investigations
Geomorphology
Photogrammetry
Photointerpretation
Reconnaissance surveys
Remote sensing

Photogrammetry 0802
RT Aerial photography
Aerial reconnaissance
Aerial surveys
–Cameras
Geological surveys
Hydrographic surveys
–Mapping
–Maps
Mosaics
Photogeology
Photographic analysis
–Photographs
–Photography
Photointerpretation
–Plane surveying
Reconnaissance surveys
Remote sensing
Soil maps
Stereoscopes
Stereoscopic map plotters
Stereoscopic photography
–Surveying
–Surveys
Terrain analysis
Topographic mapping
Topographic surveys

Photographic analysis 1405
BT –Analysis
RT High speed photography
Motion pictures
Photogrammetry
–Photographs
Photointerpretation

Photographic equipment 1405
NT –Borehole cameras
–Cameras
Drill hole TV cameras
RT High speed photography
–Instrumentation
Lenses (optical)
Microfilm
–Microphotography
–Photographs
–Photography
Stereoscopes
Stereoscopic map plotters
–Television

Photographs 1405
NT Motion pictures
RT Aerial photography
–Cameras
Drill hole TV cameras
High speed photography
Infrared photography
Microfilm
–Microphotography
Mosaics
Photogrammetry
Photographic analysis
–Photographic equipment
–Photography
Photointerpretation
Visual aids

Photography 1405
NT Aerial photography
Color photography
High speed photography
Infrared photography
Microfilm
–Microphotography
RT –Cameras
–Films
Lighting
–Mapping
Motion pictures
Photogrammetry
–Photographic equipment
–Photographs
–Radiographic inspection
–Radiography
Remote sensing
Reproduction (copying)
–Surveys
Terrain analysis

Photointerpretation 1406
RT Aerial photography
Aerial reconnaissance
Geologic maps
Infrared photography
Photogeology
Photogrammetry
Photographic analysis
–Photographs
Soil maps
Stereoscopes

Photometers 1402
BT –Detectors
–Equipment
–Instrumentation
–Measuring instruments
–Radiation detectors
–Radiation measuring equipment
–Sensors
–Test equipment
RT Colorimetry
Flame photometry
–Photometry
Radiometers
Spectrometers
–Spectrometry
Spectrophotometry
Turbidimeters

Photometry 1402
BT –Optical measurement
NT Flame photometry
Spectrophotometry
RT –Analytical techniques
–Chemical analysis
Colorimetry
Fluorometry
Light intensity
Photometers
Remote sensing

Photoperiodism 0616
UF Day length
Light duration
RT –Animal physiology
Biorhythms
Degree days
Diurnal variations
–Environments
–Light
Microenvironment
Phenology
Photoactivation
Physiological ecology
–Pigments
–Plant growth
Plant physiology

Photosynthesis 0601
UF Carbon assimilation
Carbon fixation
BT –Chemical properties
–Chemical reactions
RT Biochemistry
–Carbohydrates
Carbon cycle
Chlorophyll
Energy conversion
–Light
–Oxygen demand
Photoactivation
Photosynthetic bacteria
Photosynthetic oxygen
–Pigments
Plant physiology
–Plant pigments
Primary productivity
Self-purification
Stomata
Translocation
Transpiration

Photosynthetic bacteria 0613
BT –Anaerobic bacteria
–Bacteria
–Microorganisms
–Plants (botany)
RT –Nitrogen fixing bacteria
Photosynthesis
–Sulfate reducing bacteria

Photosynthetic oxygen 0601
BT –Oxygen
RT Dissolved oxygen
Photosynthesis

Phototropism 0603
BT –Tropisms
RT –Plant growth
Plant growth substances
Plant physiology

Phreatic lines 0808.1
UF Groundwater surface
RT Aquifer tests
Banks
Drain spacing
–Drawdown
Drawdown curves
–Earth dams
–Embankments
Flow nets
–Groundwater
Groundwater flow
Hydraulic gradient
Levees
–Phreatic water
Rapid drawdown
Rockfill dams
Saturation zones
–Water table

Phreatic water 0808.1
BT –Water
NT Perched water
RT –Aquifers
Artesian water
Artesian wells
Brackish water
Connate water
Darcys law
–Fresh water
Gravitational water
–Groundwater
Groundwater recharge

Phreatic water (Con.)
Hydraulic conductivity
—Hydrogeology
Infiltration
Observation wells
Percolation
Phreatic lines
Saturation zones
—Soil water
—Springs (water)
—Water resources
—Water table
—Water wells

Phreatophyte control
USE Brush control

Phreatophytes 0603.1
BT —Plants (botany)
NT Alfalfa
Chaparral
Cottonwoods
Halogeton
Mesquite
Rabbitbush
Sagebrush
Tamarisk
RT Arid lands
—Brush
Brush control
Capillary fringe
Consumptive use (water)
—Desert plants
—Evapotranspiration
Moisture availability
Ranges
Riparian plants
Root zone
—Soil water
—Water loss
—Water table
—Water utilization
Water yield improvement
—Weeds
Zone of saturation

Phylogeny 0603
RT History
Speciation
—Systematics
Varieties

Physical chemistry 0704
BT —Chemistry
RT —Chemical properties
—Chemical reactions
—Colloids
Electrochemistry
Ionization
—Physics
—Solutions
—Thermodynamics

Physical control 1407
BT —Control
NT Mechanical control
RT —Application methods
Biocontrol
Chemcontrol
Cultural control
—Electrical properties
Insect control
Integrated control measures
Manual control
—Pest control

Physical models
USE Model studies

Physical properties 1407
BT —Properties
NT Adhesion
Air void ratio
Anisotropy
Bulk density
Buoyancy
Capillary conductivity
Cohesive strength
Color
Compressive strength
—Conductivity
Critical density
—Density
Design strength
Diffusivity
—Dimensions
Dry density
Dry weight
Earth resistivity (electrical)
Electrical resistivity
Field density
Gradation
Hardness
Heat of hydration
Heat resistance (materials)
Heat transfer
Hydraulic conductivity
Immiscibility
In place density
Isotropy
Opacity
—Optical properties
Permeability
Poisson ratio
Pore size
Porosity
Reflectivity
Refractivity
Relative consistency
Relative density
—Resistivity
Resonance
Rock density
Roughness (hydraulic)
Seismic properties
Sensitivity
—Size
Smoothness
Soil density
—Soil physical properties
Soil structure
Specific gravity
Specific heat
Specific surface
Specific weight
—Strength
Superconductivity
Texture
Thermal capacity
Thermal conductivity
Thermal diffusion
Thermal expansion
—Thermal properties
Toughness
Turbidity
Unit weight
Vapor pressure
Viscosity
—Void ratio
Volatility
—Weight
Wettability
Wet weight
Width
RT Bearing strength
Capillary action
—Chemical properties
Cloud physics
Coalescence
Concrete properties
Density stratification
Elasticity (mechanical)
—Electrical properties
Flexural strength
—Hydrologic properties
Hydrostatic pressure
Hysteresis
Index tests
—Kinetics
—Magnetic properties
—Materials tests
—Mechanical properties
Physicochemical properties
Piezoelectricity
—Resistance
Rheology
Rock properties
Rock tests
Shear strength
Soil stability
Soil strength
—Soil tests
Solids
Solubility
Specific head
—Stability
Stress-strain curves
—Temperature
—Tensile strength
Thickness
Thinness
Thixotropy
Transmissivity
Ultimate tensile strength
Water properties
Yield strength

Physicochemical properties 0704
BT —Properties
RT —Biological properties
—Chemical properties
—Chemical reactions
—Chemistry
Electrochemistry
Enthalpy
Entropy
—Physical properties
Thermodynamic behavior
—Thermodynamics

Physiochemistry
USE Biochemistry

Physiography
USE Geomorphology

Physiology (animal)
USE Animal physiology

Physiology (plant)
USE Plant physiology

Physics 2000
Use of a more specific term is recommended
BT —Sciences
NT —Acoustics
—Atmospheric physics
Cloud physics
Crystallography
—Dynamics
Electricity
—Engineering mechanics
—Fluid dynamics
—Geophysics
Gravity studies
Hydrostatics
—Mechanics
Nuclear physics
Optics
Plasma physics
Quantum mechanics
Soil physics
Solid state physics
—Statics
RT Biophysics
—Dimensions
—Electrical properties
—Energy
—Light
Phase studies
Physical chemistry

Physiological ecology 0606
BT —Ecology
RT Aestivation
—Animal physiology
Cold resistance
Disease resistance
Drought resistance
Drought tolerance
—Environmental effects
Heat budget
Heat resistance (biological)
Lodging
Photoperiodism
Plant physiology
—Tropisms

Phytometers 1402
UF Potometers
BT —Instrumentation
RT Transpiration

Phytoplankton 0603.1
BT —Aquatic life
—Aquatic plants
—Plankton
—Plants (botany)
NT Beggiatoa
RT —Algae
—Aquatic bacteria
—Aquatic fungi
—Aquatic microorganisms
—Bacteria
Fish food organisms
—Fungi
Marine algae
Marine bacteria
Marine fungi
—Marine plants
—Nannoplankton
Plant groupings
Scenedesmus

Phytotoxicity 0620
BT —Toxicity
RT Air pollution effects
Bioindicators
Mode of action
Pesticide residues
—Pesticides
Pesticide toxicity
Plant growth regulators
Plant growth substances
—Plants (botany)
—Poisons
Soil contamination effects
Water pollution effects

Phytotrons
USE Biotrons

Pickerel
USE Pikes

Piers 1313
NT Baffle piers
Bell piers
Bridge piers
Spillway piers
RT Abutments
—Bridges (structures)
Bulkhead line
—Bulkheads
Buttresses
Caissons
Cantilevers
—Coastal structures
—Concrete structures
—Docks
—Footings
—Foundations
Jetties
Obstruction to flow
Pad footings
—Piles (foundations)
Shore protection
Skewed structures
—Structural members
—Supports

Piers (docks)
USE Docks

Piezoelectricity 2003
BT —Electrical properties
RT —Electric generators
Electricity
Energy conversion
—Mechanical properties
—Nondestructive tests
Oscillators
—Physical properties
Piezoelectric transducers

Piezoelectric transducers 0905
BT —Transducers
RT —Detectors
—Instrumentation
—Measuring instruments
Piezoelectricity
Pressure sensors
—Probes (instruments)
—Sensors

Piezometers 1402
BT —Equipment
—Gages
—Instrumentation
—Measuring instruments
—Meters
—Pressure gages
—Pressure measuring instruments
—Test equipment
NT Porous tube piezometers
RT Bubbling pressure
Filter stones
Head losses
Observation wells
Permeameters
Piezometry
—Pore pressure
Potentiometers
Potentiometric level
—Pressure
Pressure cells
—Sensors
Structural behavior
Water levels
Water tunnels (testing)

Piezometric level
USE Potentiometric level

Piezometry 1402
RT Compressibility

Piezometry (Con.)
–Flow
–Groundwater
Liquids
Manometers
–Measurement
Permeability
–Piezometers
Porosity
Potentiometric level
–Pressure
–Water table

Pigments 1103
NT Chlorophyll
–Plant pigments
RT –Additives
Biochemistry
–Biology
Bioluminescence
Color
–Dyes
–Fillers
–Fluorescence
–Paints
Photoactivation
Photoperiodism
Photosynthesis
Stains

Pikes 0603.2
UF Esox species
Muskellunge
Northern pike
Pickerel
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Freshwater fish
–Wildlife
RT Sport fish

Pile bearing capacities 1313.6
UF Pile bearing tests
BT –Bearing capacity
RT Batter piles
Bearing piles
Bearing strength
Bearing values
Cast-in-place piles
–Concrete piles
–Loads (forces)
Negative friction
–Penetration
Penetration resistance
Pile-driving formulas
Pile extraction
Pile foundations
Pile friction
Pile groups
Pile lateral loads
–Piles (foundations)
Pile spacing
Pile tests
Steel piles
Test piles

Pile bearing tests
USE Pile bearing capacities

Pile caps 1313.6
RT –Concrete piles
–Pile driving
Pile foundations
Pile groups
–Piles (foundations)
Slabs
Steel piles
Wooden piles

Pile drivers
USE Pile driving

Pile driving 1313.6
UF Pile drivers
Pile driving tests
NT Sonic pile driving
Vibratory pile driving
RT Batter piles
Bearing piles
Bored piles
–Concrete piles
–Construction
–Drilling
Friction piles
–Hammers
Jacking
Jetting
–Penetration
Penetration resistance
Pile caps
Pile-driving formulas
Pile extraction
Pile foundations
Pile friction
Pile groups
–Piles (foundations)
Pile spacing
Pile tests
Sheet piling
Steel piles
Test piles
Wooden piles

Pile-driving formulas 2011
BT –Formulas
RT –Hammers
Penetration resistance
Pile bearing capacities
–Pile driving
Pile friction
–Piles (foundations)

Pile driving tests
USE Pile driving

Pile extraction 1313.6
UF Pile extractors
BT –Extraction
RT Negative friction
Pile bearing capacities
–Pile driving
Pile friction
Pile groups
–Piles (foundations)
Pile tests
Skin friction
Test piles
Uplift resistance

Pile extractors
USE Pile extraction

Pile foundations 1313.6
BT –Foundations
RT Batter piles
Bearing piles
Bell piers
Bored piles
–Buildings
Cast-in-place piles
–Concrete piles
–Docks
Flexible foundations
Friction piles
Pile bearing capacities
Pile caps
–Pile driving
Pile groups
–Piles (foundations)
Pile spacing
Sonic pile driving
Steel piles
Test piles
Underwater foundations
Wooden piles

Pile friction 2011
BT –Friction
RT –Concrete piles
Friction piles
Negative friction
Penetration resistance
Pile bearing capacities
–Pile driving
Pile-driving formulas
Pile extraction
Pile groups
–Piles (foundations)
Pile spacing
Pile tests
Positive friction
Skin friction
Steel piles
Test piles
Uplift resistance
Wooden piles

Pile groups 1313.6
RT Batter piles
Bored piles
–Foundations
Pile bearing capacities
Pile caps
–Pile driving
Pile extraction
Pile foundations
Pile friction
Pile lateral loads
–Piles (foundations)
Pile spacing

Pile lateral loads 2011
BT –Lateral forces
–Loads (forces)
RT Batter piles
Eccentric loading
Horizontal loads
Pile bearing capacities
Pile groups
–Piles (foundations)
Pile spacing

Pile perch 0603.2
UF Rhacochilus vacca
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Marine animals
–Marine fish
–Saline water fish
–Wildlife

Piles (foundations) 1313.6
NT Batter piles
Bearing piles
Bored piles
Cast-in-place piles
–Concrete piles
Friction piles
Sheet piling
Steel piles
Test piles
Wooden piles
RT –Bearing capacity
Bell piers
Bridge foundations
Bridge piers
Cast-in-place structures
Columns
Flexible foundations
–Footings
–Foundations
–Hammers
Negative friction
–Piers
Pile bearing capacities
Pile caps
–Pile driving
Pile-driving formulas
Pile extraction
Pile foundations
Pile friction
Pile groups
Pile lateral loads
Pile spacing
Pile tests
Sonic pile driving
–Structural members
–Supports
Vibratory pile driving

Pile spacing 1313.6
RT Batter piles
Bearing piles
Cast-in-place piles
Friction piles
Pile bearing capacities
–Pile driving
Pile foundations
Pile friction
Pile groups
Pile lateral loads
–Piles (foundations)
Pile tests

Pile tests 1402
BT –Tests
RT –Field tests
–In situ tests
Loading tests
Pile bearing capacities
–Pile driving
Pile extraction
Pile friction
–Piles (foundations)
Pile spacing
Test piles
Uplift resistance

Pillars
USE Columns

Pilot plants 1309
RT Desalination plants
–Facilities
–Industrial plants
–Models
Prototypes

Pin connected joints 1305
UF Connected joints (pin)
Joints (pin connected)
BT –Joints (connections)
RT Connectors (mechanical)
–Fasteners
Flexible couplings
Hinged structures
Hinges
–Pins (mechanical)
–Structural design

Pine trees 0206 0603.1
UF Pinus (species unspecified)
BT –Coniferous trees
–Conifers
–Gymnosperms
–Plants (botany)
–Trees
NT Bristlecone pine trees
Jack pine trees
Loblolly pine trees
Lodgepole pine trees
Pinyon pine trees
Ponderosa pine trees
Red pine trees
Scotch pine trees
White pine trees
Yellow pine trees
RT Coniferous forests
Plant groupings

Pink salmon 0603.2
UF Oncorhynchus gorbuscha
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Salmon
–Salmonids
–Wildlife
RT –Freshwater fish
–Marine fish

Pink shrimp 0603.2
UF Pandallus boreallis
BT –Animals
–Aquatic animals
–Aquatic life
–Commercial shellfish
–Crustaceans
–Invertebrates
–Shellfish
–Shrimp

Pins (mechanical) 1305
BT –Fasteners
–Mechanical fasteners
NT Dowels
RT –Couplings
Hinged structures
Hooks
–Joints (connections)
Nails
Pin connected joints
Studs

Pintail ducks 0603.2
UF Anas acuta
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Pinus (species unspecified)
USE Pine trees

Pinus aristata
USE Bristlecone pine trees

Pinus banksiana
USE Jack pine trees

Pinus contorta
USE Lodgepole pine trees

Pinus edulis
USE Pinyon pine trees

Pinus ponderosa
USE Ponderosa pine trees

Pinus resinosa
USE Red pine trees

Pinus strobus
USE White pine trees

Pinus sylvestris
USE Scotch pine trees

Pinyon pine trees 0603.1
UF Pinus edulis
BT –Coniferous trees
–Conifers
–Gymnosperms
–Pine trees
–Plants (botany)
–Trees

Pioneer stage 0606
UF Bare bottom stage
BT –Ecosystems
–Lake stages
–Succession

Pipe bedding 1313.3
RT Backfills
Bedding materials
Borrow materials
–Buried pipes
–Compaction
–Excavation
–Gravels
Pipe cradles
Pipe design
Pipe laying
–Pipes
–Sands

Pipe bends 1311
BT –Bends (hydraulic)
RT Encasement
Flexible pipes
Head losses
Pipe design
Pipe fittings
Pipe joints
–Pipes
Piping systems (mechanical)
Steel pipes
Tees

Pipe cover 1313.3
RT Backfills
–Compaction
Pipe design
Pipe laying
–Pipelines
–Trenches

Pipe cradles 1313.3
RT Bedding materials
Concrete pipes
–Concretes
Pipe bedding
Pipe design
Pipe laying
–Pipes
–Trenches

Pipe design 1313.3
BT –Design
RT –Construction materials
Pipe bedding
Pipe bends
Pipe cover
Pipe cradles
Pipe fittings
Pipe flow
Pipe joints
Pipe laying
–Pipelines
Pipe linings
–Pipes
Pipe tests
Pipe wrappings

Pipe fittings 1311
BT –Fittings
RT Bellmouths
–Couplings
Flanges
Flexible couplings
Flexible pipes
Head losses
Hose fittings
Pipe bends
Pipe design
Pipe joints
–Pipes
Piping systems (mechanical)
Steel pipes
Taper
Tee losses
Tees

Pipe flow 2004
BT –Closed conduit flow
–Flow
–Fluid flow
–Movement
RT –Branches
California pipe method
–Channel flow
Chemical dilution method
–Critical flow
Flow patterns
Fluid friction
Hydraulic gradient
Hydraulic radius
Laminar flow
Open channel flow
Orifice flow
Permissible velocity
Pipe design
–Pipes
Salt velocity method
Steady flow
Subcritical flow
Sudden enlargements
Supercritical flow
Tees
Transient flow
Turbulent flow
Uniform flow
–Unsteady flow
Velocity distribution
Velocity head
Venturi meters
Water column separation
Water hammer

Pipe joints 1305
BT –Joints (connections)
RT Bellmouths
Bolted joints
Butt joints
Circumferential joints
Expansion joints
Flanges
Lap joints
Pipe bends
Pipe design
Pipe fittings
–Pipes
Riveted joints
Tapered joints
Welded joints
–Welds

Pipe laying 1313.3
RT –Anchors
Backfills
Bedding materials
–Buried pipes
–Compaction
Crossings
–Excavation
Jacking
Overexcavation
Pipe bedding
Pipe cover
Pipe cradles
Pipe design
–Pipes
–Trenches

Pipelines 1313.3
BT –Conduits
–Conveyance structures
–Hydraulic structures
NT –Laterals
Submarine pipelines
RT Alinement
Aqueducts
Asbestos-cement pipes
Bifurcations
Blowoff structures
–Branches
Buried irrigation systems
–Buried pipes
Buried structures
Capacity reduction
Cast-in-place pipes
Cast iron pipe
Cathodic protection
Concrete pipes
–Corrosion control
Crossings
Discharge lines
–Distribution systems
Encasement
Entrapped air
Friction coefficient (hydraulic)
Hydraulic conduits
Irrigation design
Low head
Manholes
–Noncircular conduits
Penstocks
Pipe cover
Pipe design
–Pipes
Piping systems (mechanical)
Plastic pipes
Pressure conduits
Pressure pipes
–Pumping
Pumping plants
Reinforced plastic pipe
Ring stiffeners
Sewerage
Sewers
Siphons
Steel pipes
Sublaterals
Sudden enlargements
Surge tanks
Taper
Tee losses
Tees
Tile drains
–Transitions (structures)
–Trenches
Trifurcations
Vacuum breakers
Water control
Water conveyance
Water distribution (applied)
Water hammer
Water pipes
Water supply
Water supply systems
Wye branches

Pipe linings 1311
RT –Asphalts
–Cements
–Coatings
–Corrosion
–Mortars
Pipe design
Pipe wrappings
Water pipes

Pipes 1311
BT –Closed conduits
–Conduits
NT Asbestos-cement pipes
–Buried pipes
Cast-in-place pipes
Cast iron pipe
Clay pipes
Concrete pipes
Corrugated metal pipe
Drain tiles
Flexible pipes
Metal pipes
Plastic pipes
Pressure pipes
Pretensioned pipes
Reinforced plastic pipe
Rigid pipes
Rubber pipes
Steel pipes
Water pipes
RT Aqueducts
Bedding materials
–Casings
Cast-in-place structures
Circumferential joints
Copper tubing
Culverts
Darcy-Weisbach equation
Discharge lines
–Distribution systems
Drainage systems
–Drains
Ducts
Encasement
–Flow
–Fluid flow
Hazen-Williams equation
Hoop tension
Hoses
Hydrants
Irrigation engineering
–Irrigation systems
Jacking
–Joints (connections)
–Linings
Manifolds
Moody resistance diagrams
Nozzles
–Orifices
–Outlet works
Penstocks
Pipe bedding
Pipe bends
Pipe cradles
Pipe design
Pipe fittings
Pipe flow
Pipe joints
Pipe laying
–Pipelines
Pipe tests
Piping systems (mechanical)
Plastic tubing
Plumbing
Pressure conduits
Sewers
Siphons
Sprinkler irrigation
Storm drains
Submarine pipelines
Subsurface irrigation
Tees
Tile drains
–Tubes
Venturi meters
Water conveyance
Water hammer
Well casings
–Wells
Well screens

Pipe tests 1402
BT –Materials tests
–Tests
RT –Absorption
–Compression
Crushing
Freeze-thaw tests
Friction coefficient (hydraulic)
Hydrostatic pressure
–Leakage
–Nondestructive tests
Pipe design
–Pipes
Test machines

Pipe wrappings 1311
RT Bonding
–Corrosion control
–Insulation
–Mechanical insulation
Paper
Pipe design
Pipe linings
–Protective coatings

Piping (erosion) 0807
BT –Erosion
RT Dam breaches
Dam failure
Embankment subsidence
Foundation failure
Inverted filters
–Leakage
Relief wells
Sand boils
–Seepage
Underseepage

Piping (seepage)
USE Underseepage

Piping systems (mechanical) 1311
RT Cast iron pipe
Concrete pipes
Cooling systems
Copper tubing
Drain tiles
Heat exchangers
Heating plants
Hose fittings
Hoses
Pipe bends
Pipe fittings
–Pipelines
–Pipes
Plastic tubing
Plumbing
–Powerplants
Pumping plants

Piping systems (mechanical) (Con.)
Radiators
Refrigerants
–Rigid tubing
Rubber tubing
–Tubes

Piscicides 0606
BT –Chemicals
–Fish control agents
–Pesticides
–Poisons
RT –Animal control
Antibiotics (pesticides)
Antimycin A
–Fish
Fish sterilants
Rotenone

Pistons 2110
RT –Internal combustion engines
–Pumps
Reciprocating pumps

Piston samplers 1402
BT –Samplers
–Soil samplers
RT Denison samplers
Drive samplers
Foundation investigations
–Samples
–Sampling
Saturated soils
Sediment sampling
Soil investigations
Undisturbed samples

Pitch (materials) 1107
RT –Asphalts
–Bitumens
–Bituminous materials
Coal tar
–Resins

Pitot pressures 2004
BT –Pressure
RT –Fluid flow
–Pitot tubes
–Pressure measuring instruments
–Velocity
Velocity head

Pitot spheres 2004
BT –Instrumentation
–Pitot tubes
RT –Detectors
Flow measurement
–Flowmeters
–Fluid flow
–Meteorological instruments
Pressure head
–Pressure measuring instruments
–Velocity
Velocity head

Pitot tubes 1402
UF Instruments (pitot)
BT –Closed conduits
–Conduits
–Instrumentation
–Tubes
NT Pitot spheres
RT –Detectors
Discharge measurement
Flow measurement
–Flowmeters
–Meteorological instruments
Pitot pressures
Porous tube piezometers
–Pressure measuring instruments
–Sensors
–Velocity
Velocity distribution
–Velocity meters
–Water measurement

Pit recharge 0808.1
UF Recharge pits
BT –Artificial recharge
–Recharge
RT –Basins
Filtration
Groundwater recharge
Infiltration
Percolation
Spreading basins
Water spreading

Pit run materials 1303
BT –Materials
RT Borrow materials
–Earth materials
–Excavation
Gravel pits
–Gravels
Selected materials
Spoil

Pits 1303
NT Gravel pits
Sand pits
Test pits
RT –Borrow areas
Cavities
Drill holes
–Excavation
–Mines
–Open pit mining
Quarries
Soil investigations
Subsurface investigations
Sumps
Test holes
–Trenches

Pitting 1113
RT Anodic protection
Cathodic protection
Cavitation
–Chemical degradation
–Corrosion
–Degradation
–Erosion
Etching
Rusting
–Surface properties

Placer mining 0809
BT –Mining
RT –Alluvial deposits
Dredging
–Glacial deposits
Gold
–Gravels
Hydraulic mining
Miners inch
–Mines
Panning
Sluices
Stream pollution

Placing 1315
NT –Concrete placing
RT Backfills
Bedding materials
–Blankets
–Concretes
–Construction
–Earth materials
–Linings
–Membranes

Plane structures 1313.5
RT Flat plates
Flat surfaces

Plane surveying 0802
BT –Surveying
NT Cadastral surveys
Topographic surveys
RT Aerial photography
Alinement
Area
Azimuth
Baselines
Bench marks
Boundaries (property)
Direction finding
First order surveys
Geodetic surveys
Horizontal curves
Hydrographic surveys
Locations
–Mapping
Monuments
Offsets
Orientation
Photogrammetry
Position finding
Ranges (distance)
Surveying instruments
–Surveys
Topographic mapping
Triangulation nets

Planets 0301
BT –Astronomical bodies
NT Earth (planet)
Mars (planet)
RT Astronomy
Solar systems

Plankton 0603.1 0603.2
BT –Aquatic life
NT Beggiatoa
Daphnia
Marine fungi
–Nannoplankton
–Phytoplankton
Rotifers
Sea nettles
–Waterfleas
–Zooplankton
RT –Animals
–Aquatic algae
–Aquatic animals
–Aquatic bacteria
–Aquatic drift
–Aquatic fungi
–Aquatic microorganisms
–Aquatic plants
Aquatic productivity
Biomass
Biota
Dystrophy
Eutrophication
Fish food organisms
Floating
–Floating plants
–Marine animals
–Marine plants
Plankton nets
–Plants (botany)
Primary proguctivity
Scum
Standing crop

Plankton nets 0603.2
BT –Nets
RT –Plankton

Planning 0501
UF Water resources planning
NT City planning
Future planning (projected)
Long-term planning
Management planning
Production planning
Project planning
Short-term planning
RT –Administration
Area redevelopment
Automation
Budgeting
–Census
Coordination
Creativity
Critical path method
Decision making
Economic efficiency
Economic justification
Estimated benefits
Estimated costs
Estimating
Estimating equations
Financial feasibility
Financing
–Forecasting
Foreign activities
–Governments
Grinding
History
Hydroelectric resources
–Institutions
–Investigations
Laws
Legislation
–Management
–Marketing
–Methodology
Multiple purpose projects
–Networks
Non-structural alternatives
Objectives
–Operations research
Optimization
Organizing
PERT
Phase studies
Preliminary investigations
Preparation
Probability
Production control
–Programs
Progress reports
Project life
–Projects
Purchasing
–Requirements
–Research and development
River basin development
–Routing
Sales
Scheduling
Site selection
Social function
Social mobility
Value engineering
Water allocation (policy)
Water plans
Water resources development
–Zoning

Plans 1407
RT –Charts
–Diagrams
Drawings
–Records
Visual aids

Plant breeding 0603.1
BT –Breeding
RT Agronomy
Crop production
Forestry
–Genetics
Horticulture
Insect resistance
–Plants (botany)
Pollen
–Resistance
Sterility

Plant diseases 0603.1
BT –Diseases
NT Blights
Blotches
Non-parasitic diseases (plant)
Rots
Rusts (fungi)
Scabs
Smuts
Spots
Wilts
RT Agronomy
–Bacteria
Epiphytology
–Fungi
Mildews
Pathogenic fungi
–Pest control
–Plant pathology
–Plants (botany)
Plant viruses
Pseudomonas
Verticillium

Plant ecology
USE Ecology

Plant efficiencies 1308
BT –Efficiencies
RT –Electric power production
–Industrial plants
Industrial production
Labor
–Management
Performance
–Productivity
–Quality control

Plant groupings 0603.1
Use of a more specific term is recommended
RT –Agronomic crops
–Amphibious plants
–Aquatic plants
–Aquatic weeds
Benthic flora
–Biology
–Cereal crops
–Citrus fruits
–Coniferous trees
–Crops
–Deciduous trees
–Desert plants
–Fiber crops
–Field crops
–Floating plants
Food and cover crops
–Forage grasses
–Forage legumes
Forage mixtures
–Forages
–Fruit crops
–Grasses
Halophytes

Plant groupings (Con.)
–Horticultural crops
Industrial crops
–Legumes
Marsh plants
–Oilseed crops
Orchards
–Ornamentals
–Phytoplankton
–Pine trees
–Plants (botany)
Poisonous plants
–Range grasses
–Rooted aquatic plants
–Shrubs
–Specialty crops
–Stone fruits
–Submerged plants
–Sugar crops
–Trees
Tropical fruits
–Turf grasses
–Vegetable crops
Vegetation
–Vine crops
–Weeds
–Xerophytes

Plant growth 0603.1
UF Growth (plant)
BT –Growth
NT Vegetation regrowth
Weed growth
RT –Biology
Crop production
Crop response
Cultures
–Deciduous trees
Dendrochronology
Geotropism
Germination
Growing period
Growth rates
–Growth stages
Height
Irrigation effects
Lodging
–Metabolism
Phenology
Photoperiodism
Phototropism
Plant growth regulators
Plant growth substances
Planting management
Plant morphology
Plant physiology
–Plant pigments
–Productivity
–Resistance
Root development
Root systems
Seeding
Soil-water-plant relationships
–Tolerances (plant)
Viability
Water requirements

Plant growth regulators 0603.1
(substances which are applied to the plant. excludes fertilizers)
BT –Chemicals
RT –Agricultural chemicals
Biochemistry
–Control
Flowering
–Herbicides
Inhibitors
–Metabolism
–Pesticides
Phytotoxicity
–Plant growth
Plant growth substances
–Poisons
Weed growth

Plant growth substances 0603.1
(substances as produced by the plant which alter plant or animal metabolism)
UF Plant hormones
RT –Attractants
Biochemistry
Biocontrol
Competition
–Control
Exudation
Flowering
Inhibitors
Insect control
–Metabolism
Phototropism
Phytotoxicity
–Plant growth
Plant growth regulators
–Plant pathology
Plant physiology
–Plants (botany)
Poisonous plants
–Repellents
Rhizosphere
Soil microbiology
–Soil microorganisms
–Toxins
Weed growth

Plant hormones
USE Plant growth substances

Planting management 0204
UF Seedbed preparation
Seeding (planting)
BT –Management
RT –Biology
–Cover crops
Crop production
Crop response
–Cultivation
–Environmental effects
Farm management
Forest management
Highway beautification
Microenvironment
Pasture management
–Plant growth
–Plants (botany)
Root development
Seeding
Seeds
Seed treatment
–Soil management
Soil microbiology
–Vegetation establishment

Plant life
USE Vegetation

Plant morphology 0603.1
RT –Biology
Cytological studies
–Environmental effects
Flowering
Growing period
–Growth stages
–Plant growth
–Plants (botany)
–Plant tissues
Rhizomes
Root systems
Seeds
–Shape
–Structure
–Vascular tissues

Plant pathology 0603.1
BT –Pathology
NT Epiphytology
RT Agronomy
–Diseases
–Environmental effects
Forestry
Horticulture
–Plant diseases
Plant growth substances
Plant physiology
–Plants (botany)
Plant viruses
Soil microbiology

Plant physiology 0603.1
UF Physiology (plant)
RT Aestivation
Biochemistry
–Biology
Bioluminescence
–Carbohydrates
Circulation (plants)
Cold resistance
Drought resistance
Drought tolerance
Energy conversion
–Environmental effects
Enzymes
Germination
Growing period
–Growth stages
Irrigation effects
–Metabolism
Mode of action
Moisture deficit
Moisture stress
Nutrient requirements
Osmotic pressure
Photoactivation
Photoperiodism
Photosynthesis
Phototropism
Physiological ecology
–Plant growth
Plant growth substances
–Plant pathology
–Plant pigments
–Plants (botany)
–Proteins
–Reproduction (biology)
–Resistance
Respiration
Root development
Root systems
Stomata
–Tolerances (plant)
Translocation
Turgidity
–Vascular tissues
Water balance

Plant pigments 0603.1
BT –Pigments
NT Chlorophyll
RT Color
Photoactivation
Photosynthesis
–Plant growth
Plant physiology

Plant populations 0603.1
BT –Population
RT –Aquatic populations
–Succession
Weed growth

Plants (botany) 0603.1
UF Flora
Vascular plants
NT Acid bacteria
Actinomycetes
–Aerobic bacteria
–Agronomic crops
Alfalfa
–Algae
Alligatorweed
Alsike clover
–Amphibious plants
–Anaerobic bacteria
Apples
–Aquatic algae
–Aquatic bacteria
–Aquatic fungi
–Aquatic plants
–Aquatic weeds
Ash trees
Asparagus
Azotobacter
–Bacteria
Bahiagrass
Balsam fir trees
Barley
Beans
Beggiatoa
Benthic flora
Bermudagrass
Birch trees
Black locust trees
Blueberries
–Bluegrasses
Bristlecone pine trees
Bromegrass
–Brush
Bulrush
Cacti
Carrots
Catch crops
Cattails
–Cereal crops
Chaparral
Chara
Chlamydomonas
Chlorella
–Chlorophyta
–Chrysophyta
–Citrus fruits
Clostridium
–Clovers
Clubmoss
Coastal bermudagrass
–Coliforms
–Coniferous trees
–Conifers
Corn (field)
Cotton
Cottonwoods
–Cover crops
Cranberries
Crimson clover
–Crops
Cyanophyta
Dallisgrass
Dates
–Deciduous trees
–Desert plants
Diatoms
–Dicots
Dinoflagellates
Ditch grass
Douglas fir trees
E. coli
–Enteric bacteria
Euglena
–Euglenophyta
Ferns
Ferrobacillus
Fescues
–Fiber crops
–Field crops
–Fir trees
–Floating plants
–Floating weeds
Food and cover crops
–Forage grasses
–Forage legumes
Forage mixtures
–Forages
–Fruit crops
–Fungi
Grama grasses
Grand fir trees
Grapefruit
–Grasses
–Gymnosperms
Halogeton
Halophytes
Hay
Hemlock trees
Hickory trees
–Horticultural crops
Industrial crops
Jack pine trees
Johnsongrass
Juniper trees
Kentucky bluegrass
Lactobacillus
Ladino clover
–Legumes
Lemons
Lespedeza
Lettuce
Lichens
Lilac
Limes
Loblolly pine trees
Lodgepole pine trees
Macadamia
Maple trees
Marine algae
Marine bacteria
Marine fungi
–Marine plants
Marsh plants
Melons
Merion bluegrass
Mesquite
Methane bacteria
Molds
–Monocots
Mosses
Mycobacterium
Myxobacteria
–Nannoplankton
Noble fir trees
Nuisance algae
–Nuts
Oak trees
Oats
Ochromonas
Odor-producing algae
–Oilseed crops
Onions
Oranges
Orchardgrass
Orchards
–Ornamentals
Pacific silver fir trees
Pathogenic bacteria
Pathogenic fungi
Peaches
Peanuts
Pecans
Perennial ryegrass

Plants (botany) (Con.)
Phaeophyta
Photosynthetic bacteria
–Phreatophytes
–Phytoplankton
–Pine trees
Pinyon pine trees
Poisonous plants
–Pome fruits
Ponderosa pine trees
–Pondweeds
Popcorn
Potatoes
Pseudomonas
–Pyrrophyta
Rabbitbush
–Range grasses
Red clover
Red fir trees
Red pine trees
Reeds
Rhodophyta
Rice
–Rooted aquatic plants
Sagebrush
Sago pondweed
Salmonella
Scenedesmus
Scotch pine trees
Seepwillow
Sessile algae
Sewage bacteria
Shigella
–Shrubs
Snapdragons
Soil algae
–Soil bacteria
Soil fungi
Sorghum
Soybeans
–Specialty crops
Sphaerotilus
Standing crop
Stinging nettles
–Stone fruits
Strawberries
Streptococcus
–Submerged plants
Sudangrass
Sugar beets
Sugarcane
–Sugar crops
Sweet corn
Sweet potatoes
Switchgrass
Sycamore trees
Tamarisk
Taste-producing algae
Thermophilic bacteria
Thiobacillus ferrooxidans
Tobacco
Tomatoes
–Trees
Tropical fruits
–Turf grasses
–Vegetable crops
Verticillium
Vetch
–Vine crops
Water hyacinth
–Weeds
Wheat
Wheatgrasses
White-cedar trees
White clover
White fir trees
White pine trees
Widgeon grass
Wild rice
Willow trees
–Xerophytes
Yeasts
Yellow pine trees
RT Agriculture
–Aquatic life
–Benthos
–Biology
Biota
Crop response
–Environmental effects
Epiphytology
–Evapotranspiration
Flowering
Forestry
–Genetics
Greenhouses
Ground cover
–Herbicides
Horticulture
Hydrologic budget
Leaves
–Life cycles
Life expectancy
Lodging
–Microorganisms
–Migration
Periphyton
Phytotoxicity
–Plankton
Plant breeding
–Plant diseases
Plant groupings
Plant growth substances
Planting management
Plant morphology
–Plant pathology
Plant physiology
Plant viruses
Seeding
Seeds
Stemflow
–Succession
–Systematics
Terraces
Turf
Varieties
Vegetation
Vegetation effects
–Vegetation establishment
Vegetation regrowth
Water pollution sources
Wilting

Plant-soil-water relationships
USE Soil-water-plant relationships

Plant tissues 0603.1
NT Bark
Fibers (plant)
Phloem
Tracheids
–Vascular tissues
–Xylem
RT –Biology
Cultures
Cuticle
Epidermis
Flowering
Plant morphology
–Wood

Plant tolerances
USE Tolerances (plant)

Plant viruses 0603.1
BT –Microorganisms
–Viruses
RT Epiphytology
–Plant diseases
–Plant pathology
–Plants (botany)
Viricides

Plant-water-soil relationships
USE Soil-water-plant relationships

Plasma physics 2009
BT –Physics
RT High temperature
High temperature research
Ionization
–Ions
Magnetohydrodynamics

Plaster 1303
BT –Building materials
–Construction materials
RT Anhydrite
Cement grouts
–Cements
Gypsum
Lime
–Mortars

Plastic clays
USE Clays

Plastic coatings 1103
BT –Coatings
–Protective coatings
RT Coal-tar epoxy paints
Epoxy resins
–Paints
–Plastics

Plastic deformation 2012
BT –Deformation
–Mechanical properties
RT Creep
Creep tests
Deformation modulus
Ductility
Elastic deformation
Inelastic action
Plastic failure
–Plasticity
Plastic theory
Shear planes
Soil plasticity
–Strain
Stress relaxation

Plastic failure 2012
BT –Failure
–Failure (mechanics)
–Mechanical properties
RT Creep
Creep tests
Fatigue (materials)
Fatigue tests
Inelastic action
Mudflows
Plastic deformation
–Plasticity
Plastic theory

Plastic flow
USE Creep

Plasticity 2012
BT –Mechanical properties
NT Soil plasticity
RT Brittleness
Cohesion
–Consistency
Creep
Ductility
Fatigue (materials)
Flexibility
Inelastic action
Liquid limit
Plastic deformation
Plastic failure
Plasticity index
Plastic limits
Plastic theory
Rheology
–Soil physical properties
–Soil properties
–Stability
Workability

Plasticity index 0813
BT –Atterberg limits
–Mechanical properties
–Soil properties
RT –Consistency
Index tests
Liquid limit
–Plasticity
Plastic limits
Relative consistency
Soil plasticity
–Soil tests

Plastic limits 0813
BT –Atterberg limits
–Mechanical properties
–Soil properties
RT –Consistency
Index tests
Inelastic action
Liquid limit
–Plasticity
Plasticity index
Relative consistency
Soil plasticity
–Soil tests

Plastic materials
USE Plastics

Plastic pipes 1311
BT –Closed conduits
–Conduits
–Conveyance structures
–Hydraulic structures
–Pipes
RT –Conveyance structures
–Irrigation
–Pipelines
–Plastics
Polyvinyl chloride
Tees
Trickle irrigation
–Vinyl resins
Water pipes

Plastics 1109
UF Plastic materials
BT –Building materials
–Construction materials
–Materials
NT Glass reinforced plastics
–Reinforced plastics
RT Adhesives
Canal linings
Caseins
–Composite materials
Copolymers
–Elastomers
–Films
Impervious membranes
Laminated plastics
–Linings
Plastic coatings
Plastic pipes
Plastic tubing
Polymer concretes
Polymers
–Protective coatings
Reinforced plastic pipe
–Resins
Roofing materials
Synthetic fibers
–Synthetic resins
Synthetic rubber
–Thermoplastic resins
–Thermosetting resins

Plastic theory 2012
BT –Theory
RT –Deformation
Elastic theory
–Engineering mechanics
–Failure (mechanics)
–Mechanics
Plastic deformation
Plastic failure
–Plasticity
–Strain
–Stress
Stress-strain curves
–Structural design
Ultimate loads
Ultimate strength design
Yield line method

Plastic tubing 1311
BT –Closed conduits
–Conduits
–Tubes
RT Copper tubing
Flexible tubing
Hose fittings
–Pipes
Piping systems (mechanical)
–Plastics
Rubber tubing
Trickle irrigation

Platanus occidentalis
USE Sycamore trees

Plate girders 1313.5
BT –Girders
–Structural members
RT –Beams (structural)
–Bolts
Flanges
Hybrid beams
–Plates
Riveting
–Steel plates
Structural steel
–Welding

Plate load tests 1402
BT –Field investigations
–Field tests
–Tests
RT Field data
Foundation bearing tests
Prototype tests
Rock tests
–Soil tests
Stress-strain curves

Plates 1303
NT Baffle plates
Flat plates
Gusset plates
Liner plates
–Steel plates
Thin plates
RT Flanges
Foundation modulus

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Plates (Con.)
Plate girders
–Shell structures
–Structural members
Structural shapes
Structural steel

Plating 1308
RT Cladding
Deposition
–Finishes
Hard surfacing
–Laminates
Metal coatings
–Protective coatings
Substrates

Platinum 0702
BT –Chemical elements
–Metals
RT Platinum alloys
Platinum compounds

Platinum alloys 1106
BT –Alloys
–Metals
RT Platinum

Platinum compounds 0702 0703
BT –Chemical compounds
RT Platinum

Playa lakes 0808
BT –Bodies of water
–Lakes
–Standing waters
–Surface waters
RT Arid climates
Arid lands
Dry beds
Lacustrine deposits
Lake basins
Lake beds
Lake morphology
–Land forms
Playas
Semiarid climates
Shallow water

Playas 0807
BT –Land forms
RT Depression
Deserts
–Evaporation
Lacustrine deposits
Lake beds
Lake morphology
–Lakes
Lake soils
Playa lakes
Saline lakes

Playgrounds 0511
BT –Recreation facilities
RT –Facilities
Landscaping
–Parks
–Recreation
–Schools (education)

Plecoptera
USE Stoneflies

Pleistocene epoch 0807
BT –Cenozoic era
–Geologic time
–Quaternary period
RT –Glacial geology
Glaciation
Paleosols
Recent epoch

Plerotic water
USE Groundwater

Plowing 0204
RT Chiselling
–Cultivation
Fallowing
Farm equipment
–Farms
Land preparation
–Mixers
Scarifiers

Plugs 1101
NT Tunnel plugs
RT Caulking
Chemical sealants
Clogging
Closing
–Closures
Constrictions
Dry pack mortar
–Seals (stoppers)
Water stops

Plug valves 1311
BT –Hydraulic valves
–Valves
RT –Flow control
Gate valves
Globe valves
Head losses
High pressure valves
Hollow jet valves
Sleeve valves

Plumbing 1302.1
RT –Closed conduits
–Disposal
Domestic wastes
–Pipes
Piping systems (mechanical)
–Pumping
Sanitary engineering
Sewers
–Surges
–Valves
Water supply systems

Plumblines 1402
BT –Equipment
–Instrumentation
–Measuring instruments
–Test equipment
RT Sounding

Plunge basins 1313.1
BT –Engineering structures
–Hydraulic structures
RT –Energy dissipation
–Erosion control
High head
Pressure distribution
Riprap
Scour
Ski-jump spillways
–Spillways

Plutonic rocks 0807
BT –Crystalline rocks
–Igneous rocks
–Rocks
NT Diorite
Gabbro
Granite
Pegmatites
Syenite
RT –Acidic rocks
–Basic rocks
–Intermediate rocks
Magma
Ultrabasic rocks
–Volcanic rocks

Plutonium 0702
BT –Chemical elements
–Metals
NT Plutonium radioisotopes

Plutonium radioisotopes 1802
BT –Chemical elements
–Isotopes
–Metals
–Plutonium
–Radioisotopes

Pluvial
USE Rain

Plywoods 1112
BT –Building materials
–Composite materials
–Construction materials
–Laminated wood
–Laminates
–Materials
–Wood
RT Lumber

Pneumatic systems 1307
UF Pneumatic valves
RT Air compressors
–Control equipment
Control systems
–Flow control
–Measuring instruments
Process control
Remote control
Temperature control
–Transmitters

Pneumatic tired rollers 1303
UF Rubber tired rollers
BT –Compaction equipment
–Construction equipment
–Equipment
–Rollers
RT –Compaction
Drum rollers
–Earth handling equipment
Mobile equipment
Rolled fills
Sheepsfoot rollers
Tamping rollers
Tires

Pneumatic valves
USE Pneumatic systems

Poa pratensis
USE Kentucky bluegrass

Podzols 0807
BT –Acidic soils
–Pedalfers
–Soil groups
–Soils
–Soil types
NT Gray-brown podzolic soils
Red podzolic soils
Yellow podzolic soils
RT Coniferous forests
Humid climates
Rain forests
Subarctic
Temperate
Wet climates

Poeciliidae
USE Livebearers

Poisoning
USE Poisons

Poisonous plants 0603.1
UF Noxious plants
BT –Plants (botany)
RT Algal poisoning
Algal toxins
Halogeton
Plant groupings
Plant growth substances
–Poisons
Range management
–Toxins
–Weeds

Poisons 0620
UF Poisoning
Toxicants
BT –Chemicals
NT Acaricides
Algal toxins
Algicides
Antibiotics (pesticides)
–Antihelminthes (pesticides)
Antiprotozoals (pesticides)
Avicides
Bactericides
Fish toxins
–Fumigants
Fungicides
Gametocides
–Herbicides
–Insecticides
Larvicides
Molluscacides
Nematocides
Ovicides
–Pesticides
Piscicides
Post-emergents
Rodenticides
Soil sterilants
Spirochetaticides (pesticides)
–Toxins
Venoms
Viricides
Wood preservatives (pesticides)
RT Algal control
Algal poisoning
Antimycin A
Chemical warfare
–Contamination
–Hazards
Inhibitors
Lethal limit
Mortality
–Pest control
Pesticide toxicity
Phytotoxicity
Plant growth regulators
Poisonous plants
–Repellents
–Sterilants
Systemics
–Toxicity
Toxic waste disposal
–Weed control

Poisson ratio 2012
BT –Coefficients
–Mechanical properties
–Physical properties
RT Concrete properties
Elastic deformation
Elasticity (mechanical)
Elastic limit
Elastic theory
Elongation
Modulus of elasticity
Shear modulus
Soil pressure
–Strain
–Stress
Stress-strain curves
–Tensile properties
–Tensile strength
–Tension
Ultimate tensile strength

Polariscopes 1402
BT –Instrumentation
–Optical instruments
RT –Light
–Optical measurement
Polarization

Polarity 1407
RT Dipoles
Electric fields
Magnetic fields
Orientation
Polarization

Polarization 1407
RT –Boundary layer
Concentration
Dielectric properties
Dipoles
Electrochemistry
–Electrodes
Electrolysis
–Electromagnetic waves
–Light
–Membranes
–Optical properties
Orientation
Overvoltage
Polariscopes
Polarity
Polarographic analysis
Reflection
–Refraction

Polarographic analysis 0704
BT –Analysis
–Analytical techniques
–Chemical analysis
–Quantitative analysis
RT Polarization
Volumetric analysis

Polar regions 0806
BT –Cold regions
–Regions
RT Antarctic
Arctic
Climatic zones
Cold weather construction
–Geography
Subarctic

Policies 0501
NT Foreign policies
Public land policy
Water allocation (policy)
–Water policy
RT –Administration
Decision making
Executives
International compacts
Irrigation programs
Laws
Legislation

Policies (Con.)
–Management
Political aspects
Political constraints
Public relations
Responsibilities
Water plans

Political aspects 0504
RT –Administration
–Allocations
Area redevelopment
Decision making
–Ecology
Economic impact
–Economics
Federal government
–Governments
Industrial relations
–Institutions
Interstate
–Jurisdiction
Land use
Local governments
–Policies
Political constraints
Political science
Public relations
–Regions
Rehabilitation
Relative rights
–Relocation
–Resource development
Social behavior
State governments
Water resources development
–Water utilization
–Weather modification

Political constraints 0504
BT –Constraints
RT Institutional constraints
–Legal aspects
–Policies
Political aspects
Political science
Public opinion
Public relations

Political science 0504
BT –Sciences
–Social sciences
RT Applied psychology
Federal jurisdiction
Foreign policies
–Governments
History
–Institutions
International compacts
–International law
Legislation
Political aspects
Political constraints
Public opinion
–Sociology

Pollen 0603.1
UF Pollenization
RT –Air pollution
–Biology
Cytological studies
Distribution patterns
Fertilization
Flowering
Palynology
Particles
Plant breeding
–Reproduction (biology)
–Sediments
Spores

Pollenization
USE Pollen

Pollutant identification 1302.2
RT –Air pollution
Air pollution control
–Analytical techniques
–Assay
Bioassay
–Indicators
–Investigations
Pollutants
Soil contamination
Thermal pollution
–Water pollution
Water pollution sources

Pollutants 1302.2
RT –Air pollution
Air pollution control
Air pollution effects
–Contamination
Fallout
Impurities
Path of pollutants
Pesticide residues
Pollutant identification
Radioactive contamination
Radioactive wastes
Soil contamination
Stream pollution
Thermal pollution
Toxic waste disposal
–Toxins
–Wastes
–Water pollution
Water pollution control
Water pollution effects
Water pollution sources
Water pollution treatment

Pollution (air)
USE Air pollution

Pollution (soils)
USE Soil contamination

Pollution (thermal)
USE Thermal pollution

Pollution (water)
USE Water pollution

Pollution abatement 1302
UF Water pollution abatement
BT –Abatement
RT –Air pollution
Decontamination
Dust control
–Flow augmentation
Purification
Sanitary engineering
Soil contamination
Thermal pollution
–Water pollution
Water pollution control

Pollution control 1302
BT –Control
NT Air pollution control
Water pollution control
RT –Air pollution
–Flow augmentation
Sanitary engineering
Soil contamination
Stream pollution
Toxic waste disposal
–Water pollution

Polyester resins 1109
BT –Resins
–Synthetic resins
–Thermosetting resins
NT Alkyd resins
RT Polyurethane resins
Synthetic fibers

Polyethylene 1109
BT –Resins
–Synthetic resins
–Thermoplastic resins
RT –Films
Synthetic fibers

Polymer concretes 1303.1
BT –Building materials
–Concretes
–Construction materials
–Materials
RT –Composite materials
Concrete mixes
–Concrete technology
Impregnation
–Plastics
Polymers
–Reinforced concrete

Polymerization 0704
BT –Chemical properties
–Chemical reactions
RT Molecular structure
Monomers
Polymers

Polymers 0704
BT –Chemical compounds
RT Copolymers
–Elastomers
Molecular structure
Molecules
Monomers
–Plastics
Polymer concretes
Polymerization
–Resins
Silicones
–Synthetic resins
–Thermoplastic resins
–Thermosetting resins

Polysticta stelleri
USE Stellers eider duck

Polystyrene 1109
BT –Resins
–Styrene resins
–Synthetic resins
–Thermoplastic resins
–Vinyl resins
RT Synthetic rubber

Polysulfide resins 1109
BT –Resins
–Synthetic resins
RT –Elastomers
Synthetic rubber
–Thermoplastic resins
–Thermosetting resins

Polyurethane resins 1109
BT –Resins
–Synthetic resins
RT –Elastomers
Foam rubber
–Polyester resins
–Porous materials
Synthetic rubber
–Thermoplastic resins
–Thermosetting resins

Polyvinyl alcohol 1109
BT –Thermoplastic resins
–Vinyl resins

Polyvinyl chloride 1109
BT –Resins
–Thermoplastic resins
–Vinyl resins
RT Plastic pipes

Pome fruits 0204 0603.1
UF Pyrus species
BT –Crops
–Dicots
–Fruit crops
–Horticultural crops
–Plants (botany)
–Stone fruits
NT Apples

Pomoxis species
USE Sunfishes

Pondage 0806
RT Dead storage
Detention reservoirs
Hydroelectric powerplants
–Ponds
–Water storage

Ponderosa pine trees 0206 0603.1
UF Pinus ponderosa
BT –Coniferous trees
–Conifers
–Gymnosperms
–Pine trees
–Plants (botany)
–Trees
RT Coniferous forests

Ponding 0813
RT –Dams
–Drainage
–Flooding
Infiltration
Land subsidence
Ponding tests
–Ponds
Porosity
Puddling
–Seepage
Seepage losses
Shallow subsidence
–Subsidence
Water spreading
–Water storage

Ponding tests 0813
BT –Field investigations
–Field tests
–In situ tests
–Tests
RT Deep subsidence
–Field permeability tests
Fluorescein
–Footings
Impervious membranes
Leaching
–Leakage
Percolation
Ponding
–Ponds
–Seepage
Seepage losses
–Settlement (structural)
Shallow subsidence

Ponds 0808
BT –Bodies of water
–Lakes
–Land forms
–Standing waters
–Surface waters
NT Farm ponds
Great ponds
Oxidation lagoons
Sagponds
Stock ponds
Waste stabilization ponds
RT –Aquatic habitats
Boundaries (property)
Depression
–Farms
Forebays
–Fresh water
–Lake stages
–Limnology
Multiple purpose reservoirs
Pondage
Ponding
Ponding tests
Reservoir construction
–Reservoirs
–Water
Water holes
–Water resources
Water surface

Pond succession
USE Lake stages

Pondweeds 0603.1
UF Potamogeton species
BT –Aquatic life
–Aquatic plants
–Aquatic weeds
–Floating plants
–Plants (botany)
–Submerged plants
–Submersed weeds
–Weeds
NT Sago pondweed

Pontoons 1310
RT –Boats
–Bridges (structures)
Floats
–Hydraulic structures
Watertight

Pools (swimming)
USE Swimming pools

Popcorn 0204 0603.1
UF Corn (pop)
BT –Crops
–Grasses
–Horticultural crops
–Monocots
–Plants (botany)
–Specialty crops

Population 0511
NT Animal populations
–Aquatic populations
Fish populations
Human population
Plant populations
RT –Aquatic habitats
Balance of nature
–Biology
–Census
Community development
–Demand
–Density
Distribution patterns

Population (Con.)
    Dystrophy
  –Ecology
  –Ecotypes
  –Environmental effects
    Environmental gradient
    Eutrophication
    Fecundity
    Food chains
    Growth rates
    Manpower
  –Migration
    Morbidity
    Mortality
    Oligotrophy
    Persistence
  –Productivity
    Radioactivity effects
  –Social aspects
    Social behavior
    Standing crop
  –Succession
  –Supply

Population growth 0511
RT Fecundity
    Fertility
    Growth rates
    Man
    Manpower
  –Migration
    Mortality
  –Productivity
  –Sociology

Populus species
USE Cottonwoods

Pore air pressure 0813
BT –Pore pressure
  –Pressure
RT –Air
    Effective stress
  –Gases
    Negative pore pressure
  –Negative pressure
    Neutral stress
    Pores
    Pore water pressure
    Shear strength
    Soil mechanics

Pore pressure 0813
BT –Pressure
NT Negative pore pressure
    Pore air pressure
    Pore water pressure
RT Bubbling pressure
    Capillarity
    Capillary action
    Capillary conductivity
    Capillary pressure
  –Capillary water
  –Earth dams
    Effective stress
    Hydrostatic pressure
    Internal forces
    Moisture tension
  –Negative pressure
    Neutral stress
  –Piezometers
    Pores
    Porosity
    Pressure head
    Rapid drawdown
    Shear strength
    Soil compaction
    Soil mechanics
  –Soil physical properties
    Soil pressure
    Soil strength
    Soil structure
    Surface tension
    Total stress
    Uplift pressure
    Vertical drains

Pores 1407
RT Capillary conductivity
    Caves
    Connate water
    Hydraulic conductivity
    Interstices
    Moisture tension
    Negative pore pressure
    Permeability
    Pore air pressure
  –Pore pressure
    Pore size
    Porosity
  –Porous materials
    Porous media
    Stomata
    Transpiration

Pore size 1407
BT –Physical properties
  –Size
RT –Density
    Permeability
    Pores
    Porosity
  –Porous materials
    Porous media
    Soil water storage
  –Void ratio
    Voids

Pore water pressure 0813
BT –Pore pressure
  –Pressure
RT Effective stress
    Hydrostatic pressure
    Negative pore pressure
  –Negative pressure
    Neutral stress
    Outflows
    Pore air pressure
    Pressure distribution
    Pressure head
    Shear strength
    Soil mechanics
  –Soil water
    Uplift pressure

Porosity 1407
BT –Physical properties
RT –Absorption
    Air entrainment
    Air void ratio
  –Aquifers
    Buoyancy
    Capillarity
    Compressibility
    Compression curves
    Defects
  –Flow
    Geophysical logging
    Impregnation
    Infiltration
    Interstices
  –Leakage
    Percolation
    Permeability
    Permeability coefficients
    Piezometry
    Ponding
  –Pore pressure
    Pores
    Pore size
  –Porous materials
    Porous media
    Rock properties
    Saturated flow
  –Seepage
    Soil density
    Soil moisture movement
  –Soil physical properties
  –Soil properties
    Soil structure
    Soil texture
    Soil water movement
    Specific retention
    Specific surface
    Specific yield
    Storage capacity
    Storage coefficient
  –Subsurface drainage
    Texture
    Two-part aquifers
  –Void ratio
    Voids
  –Volume change
  –Water storage
  –Well logging

Porous materials 1107
BT –Materials
NT Foam
    Foam rubber
RT Bubbling pressure
  –Cells
    Cellular structures
    Darcys law
    Filter stones
    Gravel pits
    Impregnation
    Lightweight aggregates
    Loose soils
    Polyurethane resins
    Pores
    Pore size
    Porosity
    Porous media
    Vermiculite
    Voids

Porous media 1107
RT –Aquifers
    Aquitards
    Capillary conductivity
    Connate water
    Diffusivity
    Dupuit-Forchheimer theory
  –Filters
  –Flow
  –Fluid filters
    Hydraulic conductivity
    Interstices
    Laplace equation
    Permeability
    Pores
    Pore size
    Porosity
  –Porous materials
  –Porous media flow
    Transmissivity

Porous media flow 0808.1
BT –Flow
  –Movement
NT Base flow
    Groundwater flow
    Groundwater movement
RT Capillarity
    Porous media

Porous tube piezometers 1402
BT –Instrumentation
  –Measuring instruments
  –Meters
  –Piezometers
  –Pressure gages
  –Pressure measuring instruments
RT –Orifices
  –Pitot tubes
    Pressure head
  –Velocity
    Velocity head

Portable 1407
RT –Bridges (structures)
  –Equipment
  –Machines

Port authorities 0504
RT Harbors

Portland cements 1303.1
BT –Cements
NT Low alkali cements
    Low heat cements
    Sulfate-resisting cements
RT Alkali aggregate reactions
  –Building materials
  –Cement-aggregate reaction
  –Concrete placing
  –Concretes
  –Concrete technology
    Expanding cements
    Expansive concrete
    False set
    Initial set
    Mass concrete
  –Mortars
    Pozzolans
    Set-retarding agents
    Setting (materials)
    Soil cement
    Sulfate attack
    Water-cement ratio

Ports 1407
UF Seaports
RT Airports
    Apertures
    Cavities
    Ducts
    Harbors
    Navigation
  –Orifices
  –Outlets
    Vents

Position finding 1302
UF Loran
    Range finding
    Shoran
RT Altitude
    Azimuth
  –Bearings
  –Coordinates
    Direction finding
    Distance
    Elevation
    Geometry
    Locating
    Locations
    Navigation
    Orientation
  –Plane surveying
    Sextants
  –Stations
  –Surveying
  –Surveys
    Survey stations
    Theodolites
    Triangulation nets
    Trigonometry

Positive friction 1407
BT –Friction
  –Mechanical properties
RT External friction
    Fluid friction
    Friction coefficient (hydraulic)
    Friction coefficient (mechanical)
    Friction piles
    Internal friction
    Negative friction
    Pile friction
    Skin friction

Postclimax 0606
BT –Climax
  –Ecosystems
  –Succession

Post-emergents 0606
BT –Chemicals
  –Herbicides
  –Pesticides
  –Poisons
RT –Application methods

Post-impoundment 1302.6
BT –Reservoir stages
NT Late impoundment
RT Early impoundment
  –Ecology
  –Habitats
  –Impoundments
    Pre-impoundment
    Reservoir fisheries
  –Reservoirs
  –Streams
  –Watersheds (basins)
  –Wildlife management

Posttensioning 1308
BT –Prestressing
RT Anchor bolts
  –Anchors
  –Concrete construction
  –Concrete structures
    High strength concretes
  –Jacks (mechanical)
    Prestressed concrete
    Prestressed steel
    Prestressing systems
    Pretensioning
  –Reinforcement
  –Reinforcing steels
  –Relaxation (mechanics)
  –Rock bolts
    Steel structures
    Stressing cables
  –Structural members
    Tensile stress
  –Tension

Potable water 1302.1
UF Drinking water
BT –Water
  –Water types
RT –Demineralization
  –Desalination
    Domestic water
    Environmental sanitation
  –Fresh water
    Nuclear desalting
    Public health
    Reclaimed water
    Water costs
  –Water purification
  –Water quality
    Water supply systems

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Potable water (Con.)
—Water utilization

Potamogeton species
USE Pondweeds

Potamology 0808
RT —Fluvial morphology
River basins
—Rivers

Potash
USE Potassium carbonate

Potassium 0702
BT —Alkali metals
—Chemical elements
—Metals
NT Potassium radioisotopes
RT Potassium alloys
Potassium carbonate
—Potassium compounds

Potassium alloys 1106
BT —Alloys
—Metals
RT —Potassium

Potassium carbonate 0702
UF Potash
BT —Carbonates
—Carbon compounds
—Chemical compounds
—Inorganic compounds
—Potassium compounds
RT —Potassium

Potassium compounds 0702 0703
BT —Chemical compounds
NT Potassium carbonate
RT Chemical dilution method
—Potassium

Potassium radioisotopes 1802
BT —Alkali metals
—Chemical elements
—Isotopes
—Metals
—Potassium
—Radioisotopes
RT Radioactive dating

Potatoes 0204 0603.1
UF Solanum tuberosum
BT —Crops
—Dicots
—Field crops
—Horticultural crops
—Plants (botany)
—Vegetable crops

Potential energy 1407
BT —Energy
RT —Energy transfer
Gravity
Kinetic energy
Mass
—Mechanics
Momentum
Pressure head
—Weight
Work

Potential evaporation 0402
BT —Evaporation
RT Air temperature
Energy balance
Heat transfer
Vapor pressure
Wind speed

Potential evapotranspiration 0808
BT —Evapotranspiration
RT —Evaporation
Transpiration
Vegetation

Potential flow 2004
UF Irrotational flow
BT —Flow
—Fluid flow
—Movement
RT Flow nets
Groundwater movement
Heat transmission
—Hydraulics
Rotation

Potential hydropower 1002.1
RT Damsites
—Electric generators
—Electric power production
—Hydraulic turbines
Hydroelectric power
Pumped storage
Reservoir sites
River basin development
Tidal energy
Tidal powerplants

Potential transformers 0905
BT —Electrical equipment
—Transformers
RT Current transformers
Instrument transformers
—Power transformers

Potentiometers 1402
BT —Equipment
—Instrumentation
—Measuring instruments
—Meters
—Test equipment
—Voltage dividers
RT —Electrical properties
—Electric potential
Hydrostatic pressure
Observation wells
—Piezometers
—Resistors
Variable resistors
Voltmeters

Potentiometric level 0808.1
UF Piezometric level
BT —Water levels
RT —Aquifers
Confined water
—Groundwater
—Piezometers
Piezometry
—Water table
—Water wells

Potholes 0807
RT Cavities
Depression
Dugouts
Geomorphology
Scour
Sinkholes
Sinks

Potometers
USE Phytometers

Poultry 0205 0603.2
UF Chickens
Ducks (domestic)
Geese (domestic)
Turkeys
BT —Animals
—Birds
—Domestic animals
—Non-game birds
—Wildlife
RT Agriculture
Animal groupings
Bird types
Farm management
—Farms

Pounds fish per acre 0606
RT Biomass
—Fish
Fish farming
Fish harvest
Number fish per acre

Powders 1407
(excludes explosives)
RT —Clays
—Dust
—Fines
Grain sizes
—Granular materials
Granules
High explosives
Particles

Power 1407
NT —Electric power
Hydroelectric power
Peak power
Standby power
Thermal power
RT Dynamometers
—Electric power production
Electric utilities
—Energy

Power (proprietary)
USE Proprietary power

Power cables 0905
BT —Electric cables
RT Buried cables
Bus (electrical)
—Electric conductors
Stranded conductors
Submarine cables
—Transmission lines
Underground cables
Underwater television

Power dispatching 0901.1
RT —Electric power
Electric power demand
Electric power losses
—Electric power production
Firm energy
Line switching
Load centers
Optimum use
Power loads
Power system operations
—Transmission (electrical)
Transmission loss

Power factor 2003
BT —Electrical properties
RT Capacitance
Electrical impedance
Electrical resistance
Inductance
Reactance

Power failure
USE Electric power failure

Power grids 0901.1
BT —Interconnected systems
RT —Electric power
Electric power distribution
Power interchange
Power pooling
—Transmission (electrical)
—Transmission lines

Power head 2004
BT —Head (fluid mechanics)
—Pressure
RT —Hydraulic turbines
Hydroelectric powerplants
—Reservoirs
Tailwater
—Water levels

Powerhouses 1313.4
BT —Engineering structures
—Structures
RT —Buildings
Hydroelectric powerplants
—Nuclear powerplants
—Powerplants
Tidal powerplants
Underground powerplants
—Underground structures

Power interchange 0901.1
RT —Electric power
Electric power distribution
—Interconnected systems
Power grids
Power pooling
—Transmission (electrical)
—Transmission lines

Powerline carriers 1702
RT Amplitude modulation
Carrier-current
Carriers
Communication
—Electric conductors
—Electric current
Electric networks
—Instrumentation
Protective relaying
—Transmission lines

Power loads 0901.1
RT —Electric power
Electric power demand
Electric power losses
—Electric power production
Power dispatching
Spinning reserve
—Transmission (electrical)

Power marketing 0503
BT —Marketing
RT —Economics
—Electric power
Electric power costs
Electric power demand
Electric power industry
—Electric power production
Electric power rates
Firm energy
Sales

Power operation & maintenance 0903
BT —Operation and maintenance
RT —Electrical equipment
—Electric power production
Hydroelectric powerplants
—Maintenance
Maintenance costs
—Management
Operating costs
—Operations
Power system operations
Repairing
Scheduling

Powerplants 1002.1
BT —Industrial plants
NT Dual-purpose nuclear plants
—Electric powerplants
Geothermal powerplants
Hydroelectric powerplants
—Nuclear powerplants
Thermal powerplants
Tidal powerplants
Underground powerplants
RT Approach channels
—Facilities
Forebay dams
—Hydraulic structures
Large structures
Penstocks
Piping systems (mechanical)
Powerhouses
Transmission towers

Power pooling 0901.1
RT —Electric power
Power grids
Power interchange
—Transmission (electrical)

Power shovels
USE Earth handling equipment

Power supplies 0903
RT —Converters (electrical)
Electric batteries
—Electric generators

Power system operations 0903
BT —Operations
RT Electrical engineering
—Electrical equipment
Electrical stability
Electric networks
Electric power costs
Electric power demand
—Electric power failure
Firm energy
Generating capacity
—Interconnected systems
Power dispatching
Power operation & maintenance
Power system stability

Power system stability 0901 0903
RT Automatic control
Capacitors
Electrical stability
Electrical studies
—Electric generators
Excitation
Power system operations
Synchronous machines
Transient stability
Voltage regulators

Power transformers 0905
BT —Electrical equipment
—Transformers
NT Autotransformers
RT Current transformers
—Electric motors
Electric reactors
Electrokinetic potential
Extra high voltage
Induced voltage

001 194

Power transformers (Con.)
Installed capacity
Insulating oil
Mobile substations
Potential transformers
Substations (electrical)
Switchyards (electrical)
Transformer oils
–Transmission (electrical)
Ultra high voltage
Voltage regulation
Voltage regulators
Windings (electrical)

Power transmission (mechanical) 1309
RT –Bearings
Bushings
Chains
Clutches (mechanical)
–Couplings
–Drives
–Electric motors
Flexible couplings
Flexible shafts
Gears
–Internal combustion engines
Journal bearings
Keyways
–Motors
–Rotating machines
–Shafts (machinery)
Transmissions (mechanical)
Universal joints
Variable-speed drives

Pozzolans 1303.1
RT –Additives
Alkali aggregate reactions
–Cements
–Concrete additives
–Concretes
–Concrete technology
Fly ash
–Portland cements
Setting (materials)
Volcanic ash

Prairies
USE Grasslands

Prairie soils 0807
BT –Alkaline soils
–Pedalfers
–Soil groups
–Soils
–Soil types
RT Chernozems
–Grasslands
Humid climates
Subhumid climates
Temperate

Precambrian eras 0807
BT –Geologic time

Precast concrete 1303
BT –Building materials
–Concretes
–Construction materials
–Materials
RT Architectural concrete
–Buildings
–Concrete construction
–Concrete products
–Concrete structures
Prefabrication
Prestressed concrete
–Prestressing
Prestressing systems
–Reinforced concrete
Steam curing
–Structural design
–Structural members

Precipitable water 0402
BT –Meteoric water
–Moisture
–Vapors
–Water types
–Water vapor
RT Air circulation
–Atmosphere
Hydrologic cycle
–Meteorology
–Moisture content
–Precipitation (atmospheric)
Sea breezes
Weather patterns

Precipitation (atmospheric) 0402
UF Atmospheric precipitation
BT –Groundwater sources
–Moisture
NT Antecedent precipitation
Drizzle
Effective precipitation
Excessive precipitation
Firn
Graupel
Hail
Induced precipitation
Orographic precipitation
Precipitation excess
Probable maximum precipitation
Rain
Sleet
–Snow
RT –Atmosphere
Chemistry of precipitation
–Climatology
Cloud physics
–Clouds
–Condensation
Cumulonimbus clouds
Cyclones
Depression storage
Droughts
Dry seasons
–Environments
Ephemeral streams
–Erosion
Fallout
Flood estimate
Flood forecasting
–Floods
–Fog
–Groundwater
Groundwater geology
Groundwater hydrology
Homidity
Hydrologic cycle
Hydrologic equation
–Hydrology
Impact (rainfall)
Interception
Large watersheds
Liquid water content
Lysimeters
–Meteoric water
–Meteorology
Monsoons
Natural recharge
Precipitable water
–Precipitation gages
–Precipitation intensity
Precipitation rate
–Rainfall
Rainfall disposition
Rainfall intensity
Rain gages
–Recharge
River basins
River forecasting
–Runoff
Squalls
–Storms
Supplemental irrigation
–Surface waters
Thunderstorms
–Water
Water balance
Water budget
–Water resources
Water sources
Water supply
–Water supply forecasting
–Water yield
Weather data
Weather forecasting
Weathering
–Weather modification
Weather patterns
Wet seasons

Precipitation (chemistry) 0704
UF Chemical precipitation
BT –Separation
RT –Chemical properties
–Chemical reactions
–Chemistry
Chemistry of precipitation
Coagulants
Coagulation
–Colloids
–Condensation
Crystallization
Electrostatic precipitation
Filtration
Flocculants
Flocculation
Scale prevention
Scaling
–Sedimentation
–Separation techniques
Solubility

Precipitation excess 0402
UF Rainfall excess
BT –Precipitation (atmospheric)
RT Effective precipitation
Excess water (soils)
–Floods
Soil erosion
Surface runoff
Time lag
–Water loss

Precipitation gages 1402
BT –Gages
–Hydrologic instruments
–Instrumentation
–Measuring instruments
NT Rain gages
Snow gages
RT Depth
–Gaging stations
–Hydrometeorological station
–Precipitation (atmospheric)
–Precipitation intensity
Snowfall
Snow management

Precipitation intensity 0402
NT Rainfall intensity
RT –Precipitation (atmospheric)
–Precipitation gages
Probable maximum precipitation
–Rainfall
Rainfall disposition
Rational formula
Runoff coefficient
Runoff forecasting

Precipitation rate 0402
RT Depth
–Precipitation (atmospheric)
–Rainfall

Precise surveys
USE First order surveys

Preclimax 0606
BT –Climax
–Ecosystems
–Succession

Precompression
USE Preconsolidation

Preconsolidated soils 0813
BT –Earth materials
–Materials
–Soils
RT Overconsolidation
Preconsolidation
Preloading
Rebound
Soil density
Surcharge

Preconsolidation 0813
UF Precompression
BT –Consolidation
RT Overconsolidation
Preconsolidated soils
Preloading
Rebound
Residual stress
Surcharge
Unconsolidated soils
Underconsolidation

Precooling 2013
RT Ablation
Air conditioning
Contraction
Coolants
Cooling towers
–Environmental engineering
Fans
–Flooding
–Freezing
–Heating
Heat transfer
Melting
Preheating
Quenching
Refrigeration
Supercooling
–Temperature
Temperature control
Thermal stress
Ventilation
Wetting

Predation 0603.2
UF Fish predators
NT Prey fish
RT –Animals
–Birds
Carnivores
Competition
–Ecology
–Fish
Fishkill
Mortality
Secondary productivity

Predicting
USE Forecasting

Prediction
USE Forecasting

Pre-emergents 0606
BT –Chemicals
–Herbicides
–Pesticides
RT –Application methods
–Weed control

Prefabrication 1313.4
RT –Buildings
–Construction
Fabrication
Precast concrete

Preferences (water rights) 0504.1
BT –Prior appropriation
–Water rights
RT Appropriation (water rights)
Beneficial use
Consumptive use (water)
Non-consumptive use
Priorities
Water allocation (policy)

Preheating 2013
RT Air conditioning
Autoclaves
Boiling
Conduction
Convection
–Conversion
–Cooling
Deicing
–Environmental engineering
–Expansion
–Feed water
–Heat
Heat exchangers
–Heating
Heat transfer
–Heat treatment
Ice prevention
Induction heating
Melting
Precooling
Snow removal
Soaking
–Temperature
Temperature control
Thermal stress

Pre-impoundment 0808
BT –Reservoir stages
RT Early impoundment
–Ecology
–Habitats
–Impoundments
–Post-impoundment
Reservoir clearing
Reservoir construction
Reservoir fisheries
–Reservoirs
Reservoir sites
–Streams
–Watersheds (basins)
–Wildlife management

Preliminary investigations 1314
BT –Investigations
RT –Census
Data collections
Economic justification
–Exploration

Preliminary investigations (Con.)
–Feasibility
–Field investigations
Foundation investigations
–Geologic investigations
–Planning
Project planning
Reconnaissance surveys
–Sampling
Soil investigations
–Surveys

Preloading 1313.6
RT Compressible soils
–Compression
–Construction
–Foundations
Preconsolidated soils
Preconsolidation
Rebound
–Settlement (structural)
Soil density
Surcharge
Unconsolidated soils
Underconsolidation

Premature stiffening
USE False set

Prepacked concrete 1303.1
BT –Building materials
–Concretes
–Construction materials
RT –Concrete construction
–Concrete piles
–Concrete placing
–Concrete technology
–Foundations
–Grouting
Underwater foundations

Preparation 1407
RT –Data processing
Editing
–Education
Estimating
Fabrication
Laboratory tests
Manufacturing
–Planning
–Surfaces

Prescriptive rights 0504.1
BT –Water rights
RT –Groundwater
Groundwater mining
Overdraft
–Riparian rights

Preservation 1407
RT –Additives
–Animal control
–Animals
–Birds
–Conservation
–Control
–Corrosion control
–Curing
–Degradation
Dehydration
–Drying
–Durability
Fish and wildlife
–Pest control
Radiation effects
Refrigeration
–Resource conservation
–Retardants
–Storage
Waterproofing
Weatherproofing
–Wildlife
–Wildlife conservation
Wood preservatives (pesticides)

Presplit blasting 1315
BT –Blasting
RT –Blasts
Charges (explosives)
Cuts
Delay elements (explosives)
Detonation
–Explosives
Rock breakage
Rock excavation
Smooth wall blasting

Pressed plate footings 1313.6
BT –Footings
–Foundations
RT Belled anchors
Belled footings
Grillage footings
Pull-out tests
Transmission towers
Uplift footings
Uplift resistance

Presses 1309
RT –Compaction
Extrusions
–Hammers
–Machine tools

Pressure 1407
NT Active pressure
Atmospheric pressure
At rest pressure
Back pressure
Bearing pressure
Bubbling pressure
Capillary pressure
Confining pressure
–Earth pressure
Grouting pressure
High pressure
Hydraulic pressure
Hydrodynamic pressure
Hydrostatic pressure
Ice pressure
Intrinsic pressure
Low pressure
Negative pore pressure
–Negative pressure
Osmotic pressure
Overpressure
Passive pressure
Pitot pressures
Pore air pressure
–Pore pressure
Pore water pressure
Power head
Pressure head
Rankine pressure
Rock pressures
Soil pressure
Swelling pressure
Tunnel pressures
Uplift pressure
Vapor pressure
Velocity head
–Water pressure
Wind pressure
RT Air environment
Artesian aquifers
Artesian wells
Autoclaves
Bulk modulus
Compressive stress
Confined water
–Expansive forces
External forces
Foundation modulus
Geysers
Head losses
Ice loads
Impact
Internal forces
Isobars
Load distribution
–Loads (forces)
Manometers
Normal stress
Phase diagrams
–Piezometers
Piezometry
Pressure cells
Pressure conduits
Pressure distribution
Pressure drag
–Pressure gages
–Pressure measuring instruments
Pressure pipes
Pressure regulators
Pressure sensors
Pressure tests
Pressure tunnels
Pressure vessels
Reactions (mechanics)
Reverse osmosis
Standpipes
–Stress
–Suction
–Vacuum
Water hammer
–Weight

Pressure cells 1402
BT –Cells
–Measuring instruments
–Pressure measuring instruments
RT Air traps
Diaphragms (mechanics)
–Instrumentation
–Piezometers
–Pressure
–Pressure gages
Pressure regulators
Pressure sensors
Pressure tests
–Sensors
–Transducers

Pressure conduits 1313.3
BT –Conduits
–Conveyance structures
RT Air chambers
–Engineering structures
Hoop tension
–Hydraulics
–Outlet works
Penstocks
–Pipelines
–Pipes
–Pressure
Pressure tunnels
Radial loads
Submarine pipelines
Water distribution (applied)

Pressure distribution 1407
BT –Distribution
RT Bearing pressure
Bellmouths
–Earth pressure
Load centers
Load distribution
–Loads (forces)
–Negative pressure
Passive pressure
Plunge basins
Pore water pressure
–Pressure
–Pressure measuring instruments
Pressure sensors
Rock pressures
Soil pressure
Stress analysis
Stress concentration
Stress distribution

Pressure drag 2004
UF Pressure resistance
BT –Drag
–Resistance
RT Aerodynamics
–Boundaries (surfaces)
Flow resistance
–Pressure
–Surfaces

Pressure gages 1402
BT –Equipment
–Gages
–Hydrologic instruments
–Instrumentation
–Measuring instruments
–Pressure measuring instruments
–Test equipment
NT Barometers
Manometers
–Piezometers
Porous tube piezometers
RT Depth recorders
Orifice meters
–Pressure
Pressure cells
Pressure sensors
–Vacuum apparatus
Venturi meters

Pressure head 2004
BT –Head (fluid mechanics)
–Pressure
RT Depth
Energy equation
Head losses
Height
Hydraulic gradient
Hydraulic pressure
–Hydraulics
–Hydrodynamics
Hydrostatic pressure
Hydrostatics
Jets
–Loads (forces)
Pitot spheres
–Pore pressure
Pore water pressure
Porous tube piezometers
Potential energy
Pressure pipes
Surcharge
Turbine efficiency
Uplift pressure
Water column separation
–Water levels
–Water pressure
–Wells

Pressure measuring instruments
1402
BT –Equipment
–Instrumentation
–Measuring instruments
–Test equipment
NT Barometers
Manometers
–Piezometers
Porous tube piezometers
Pressure cells
–Pressure gages
Venturi meters
RT Depth recorders
–Gages
Hydraulic pressure
Hydrodynamic pressure
Laboratory equipment
–Measurement
Orifice meters
Pitot pressures
Pitot spheres
–Pitot tubes
–Pressure
Pressure distribution
Pressure regulators
Pressure sensors
–Transducers
–Vacuum apparatus

Pressure pipes 1313.3
BT –Closed conduits
–Conduits
–Pipes
RT Asbestos-cement pipes
Hoop tension
–Hydraulics
Hydrostatic pressure
Penstocks
–Pipelines
–Pressure
Pressure head
Pressure tunnels
Pretensioned pipes
Radial loads
Reinforced plastic pipe
Steel pipes

Pressure regulators 1311
BT –Control equipment
–Valves
RT Control systems
Hydrodynamic pressure
–Pressure
Pressure cells
–Pressure measuring instruments
Relief valves

Pressure resistance
USE Pressure drag

Pressure sensors 1402
UF Cells (pressure)
Pressure transducers
BT –Detectors
–Equipment
–Instrumentation
–Sensors
RT Laboratory equipment
Piezoelectric transducers
–Pressure
Pressure cells
Pressure distribution
–Pressure gages
–Pressure measuring instruments

Pressure tests 1402
BT –Materials tests
–Tests
RT Air chambers
Flexible tubing
Hydrostatic pressure
–In situ tests
Loading tests
Percolation tests
–Permeability tests
–Pressure

Pressure tests (Con.)
      Pressure cells
      Pressure vessels
      Pump tests
    –Water pressure

Pressure transducers
  USE Pressure sensors

Pressure tunnels 1313.2
  BT –Conduits
    –Conveyance structures
    –Hydraulic structures
    –Tunnels
    –Underground structures
    –Water tunnels (conveyance)
  RT Diversion tunnels
      Hoop tension
      Penstocks
    –Pressure
      Pressure conduits
      Pressure pipes
      Radial loads
      Tunnel design
      Tunnel hydraulics
      Tunnel linings
      Tunnel plugs
      Tunnel pressures

Pressure vessels 1402
  BT –Containers
    –Vessels
  RT Autoclaves
      Boilers
      Hoop tension
    –Pressure
      Pressure tests
      Radial loads
      Radial stress
    –Tanks (containers)

Prestressed concrete 1303
  BT –Building materials
    –Concretes
    –Construction materials
    –Reinforced concrete
  RT Architecture
    –Buildings
    –Concrete construction
    –Concrete structures
    –Construction
    –Engineering structures
      Expansive concrete
      High strength concretes
    –Jacks (mechanical)
      Mesh reinforcement
      Posttensioning
      Precast concrete
      Prestressed steel
    –Prestressing
      Prestressing systems
      Pretensioned pipes
      Pretensioning
    –Reinforcing steels
    –Relaxation (mechanics)
    –Stress
      Stressing cables
    –Structural design
    –Structural members
    –Wire

Prestressed steel 1313.5
  BT –Iron alloys
    –Metals
    –Steel
  RT Carbon steels
      High strength steels
      Posttensioning
      Prestressed concrete
    –Prestressing
      Prestressing systems
    –Reinforcing steels
      Structural steel

Prestressing 1308
  NT Posttensioning
      Pretensioning
  RT –Cables
    –Concrete construction
    –Concrete structures
    –Jacks (mechanical)
      Precast concrete
      Prestressed concrete
      Prestressed steel
      Prestressing systems
      Pretensioned pipes
    –Reinforcement
    –Reinforcing steels
    –Relaxation (mechanics)
      Steel structures
      Strength of materials
    –Stress
      Stressing cables
    –Structural members
      Structural steel
    –Wire

Prestressing systems 1308
  RT Posttensioning
      Precast concrete
      Prestressed concrete
      Prestressed steel
    –Prestressing
      Pretensioned pipes
      Pretensioning
      Stressing cables

Pretensioned pipes 1311
  BT –Closed conduits
    –Conduits
    –Pipes
  RT Concrete pipes
      Pressure pipes
      Prestressed concrete
    –Prestressing
      Prestressing systems
      Pretensioning

Pretensioning 1308
  BT –Prestressing
  RT Posttensioning
      Prestressed concrete
      Prestressing systems
      Pretensioned pipes

Pre-treatment (water) 1302.1
  BT –Treatment
    –Water treatment
  RT Boiler feed water
    –Industrial water
      Water treatment plants

Preventive maintenance 1505
  BT –Maintenance
  RT Cleaning
      Painting
      Repairing
      Scale prevention

Prey fish 0603.2
  BT –Animals
    –Aquatic animals
    –Aquatic life
    –Fish
    –Predation
    –Wildlife
  RT Animal groupings
      Fish types

Prices 0503
  NT Adjusted prices
      Average prices
      Competitive prices
      Equilibrium prices
      Farm prices
      Parity prices
  RT Agricultural economics
      Commerce
      Cost indexes
    –Costs
    –Demand
      Discount rate
      Economic impact
    –Economics
      Elasticity of demand
      Elasticity of supply
      Engineering costs
      Expenditures
    –Income
      Interest (finance)
      Interest rate
      Market value
    –Payment
    –Pricing
    –Procurement
    –Rates
      Sales
    –Supply
      Unit costs
    –Value
      Water rates

Pricing 0503
  NT Discriminatory pricing
  RT Land appraisal
      Market value
      Parity ratios
    –Prices
    –Value
      Water rates

Primary benefits
  USE Direct benefits

Primary costs
  USE Direct costs

Primary productivity 0606
  BT –Ecology
    –Productivity
  RT –Aquatic algae
    –Aquatic microorganisms
      Cycling nutrients
    –Energy budget
      Eutrophication
      Food chains
      Photosynthesis
    –Plankton
      Secondary productivity
    –Seston

Primary treatment
  USE Sewage treatment

Prime movers 2112
  RT –Construction equipment
    –Earth handling equipment
    –Hydraulic turbines
    –Internal combustion engines

Primers (coatings) 1103
  BT –Coatings
    –Protective coatings
  RT Enamels
    –Finishes
      Lacquers
      Metal coatings
      Painting
    –Paints
      Substrates
      Surface preparation
      Varnishes

Principal 0503
  RT Capital
      Credit
    –Economics
      Finance
      Financing
      Interest (finance)
      Investment

Printing 1405
  RT Color
      Reproduction (copying)

Prior appropriation 0504.1
  BT –Water rights
  NT Adjudication procedure
      Appropriation (water rights)
      Preferences (water rights)
  RT Administrative agencies
      Beneficial use
    –Civil law
      Diversion
      Domestic water
      Dual system
      Hydraulic mining water
    –Irrigation
    –Irrigation water
      Laws
    –Legal aspects
      Legislation
    –Licenses
      Litigation
      Municipal water
    –Permits
      Priorities
      Proration
      Reasonable use
      Remedies
    –Riparian rights
      Stock water
      Surplus water
      Unappropriated water
    –Water law
      Water sources
    –Water utilization

Priorities 0504.1
  UF First in time, first in right
  RT Appropriation (water rights)
      Preferences (water rights)
    –Prior appropriation
      Proration

Prismatic shapes
  USE Prisms

Prisms 1407
  UF Prismatic shapes
  BT –Geometric shapes
  RT Cones (mathematics)
      Geometry
    –Optical instruments
      Optics
    –Shape
      Spheres

Probability 1407
  BT –Mathematics
  RT –Evaluation
    –Forecasting
    –Planning
    –Sampling
    –Statistical analysis
      Stochastic models

Probability theory 1201
  RT Correlation
    –Forecasting
      Game theory
      Information theory
    –Mathematical models
      Monte Carlo method
    –Operations research
    –Quality control
      Reliability
    –Sampling
    –Statistical models
    –Stochastic processes

Probable maximum flood
  USE Maximum probable flood

Probable maximum precipitation
  0402
  BT –Precipitation (atmospheric)
  RT Cloud physics
      Design flood
      Estimating
      Flood forecasting
    –Hydrographs
    –Hydrology
      Induced precipitation
      Maximum probable flood
    –Meteorology
    –Precipitation intensity
      Rainfall disposition
    –Runoff
      Synthetic hydrology
      Weather data
      Weather forecasting
    –Weather modification

Probes (instruments) 1402
  NT Gamma probes
    –Nuclear probes
  RT –Detection
    –Detectors
    –Gages
    –Indicators
      Laboratory equipment
    –Logging (recording)
    –Measuring instruments
    –Meters
      Piezoelectric transducers
    –Sensors
      Sounding
    –Test equipment

Problem solving 0510
  RT Administrative decisions
    –Analysis
    –Computers
      Decision making
      Group dynamics
      Learning
    –Mathematics
      Reasoning

Procedures 1407
  BT –Methodology
  NT Test procedures
  RT –Formal logic
    –Instruction
    –Legal aspects
      Manuals
    –Numerical analysis
      Organizing
    –Processing
      Scientific method
      Sequence

Process control 1308
  RT Analog computers
      Automatic control
      Automation

Process control (Con.)
–Electric switches
–Flow control
Pneumatic systems
–Quality control
–Recording systems
Remote control
Temperature control

Processing 1308
NT Batch processing (data,
–Data processing
Data reduction
Data retrieval
Data storage
RT Batching
–Beneficiation
Boiling
Cleaning
–Conversion
–Cooling
–Curing
Dehydration
Dewatering
Electrolysis
Fabrication
Fermentation
Freeze drying
–Hardening
Heavy media separation
–Industries
–Instruction
Manuals
Manufacturing
Mixing
–Procedures
Screening
Synthesis

Proctor curves 0813
BT –Curves
–Geometric shapes
RT Compaction tests
–Construction control
–Density
Dry density
Index tests
–Moisture content
Optimum moisture content
Rapid compaction control
Relative density
Soil compaction
Soil density
–Soil moisture
–Soil tests

Procurement 0501
NT Purchasing
RT –Contract administration
Contracting
–Contracts
–Costs
–Equipment
Manpower
–Personnel
–Prices
Specifications
–Supply

Product evaluation 1308
BT –Evaluation
RT –Analysis
–Appraisals
–Inspection
–Measurement
Performance
–Quality control
Test procedures

Production 1407
Use of a more specific term is recommended
NT Industrial production
RT –Computer programs
–Consumers
Critical path method
Foreign products
–Management
Manufacturing
PERT
Production control
Production planning

Production (industrial)
USE Industrial production

Production control 1308
RT –Codes
–Efficiencies
–Indexes (ratios)
Industrial engineering
PERT
–Planning
–Production
Production planning
–Productivity
Proration
Purchasing
–Quality control
–Routing
Scheduling
–Standards
Systems engineering

Production planning 0501
BT –Planning
RT –Consumers
Critical path method
–Forecasting
–Management
–Personnel
PERT
–Production
Production control
Project planning
Value engineering

Productivity 1407
UF Natural increase
Organic productivity
NT Aquatic productivity
Comparative productivity
Marginal productivity
Primary productivity
Secondary productivity
RT Annual turnover
–Biology
Biomass
Competition
–Control
Crop production
Dystrophy
–Ecology
Economic efficiency
–Economics
–Efficiencies
–Environmental effects
Eutrophication
Farm management
Fecundity
Feeding rates
Fertilization
Fish management
Food abundance
Food chains
Food pyramids
Food webs
Growing period
Growth rates
Harvesting of algae
Industrial engineering
Labor savings
Leadership
–Management
Materials control
Morale
Nutrient requirements
Oligotrophy
–Oxygen demand
Performance
–Personnel
Plant efficiencies
–Plant growth
–Population
Population growth
Production control
–Quality control
Radioactivity effects
Reliability
Standing crop
Time and motion studies
Trophic level
–Value
Yield equations

Professional advancement 0509
RT Abilities
Careers
Compensation
Competition
Current awareness
–Efficiencies
Executives
Human engineering
Incentives
Leadership
–Management
Motivation
Organization charts
Performance
Personnel management
Professional development
–Professional personnel
–Professional societies
Salaries
–Training

Professional development 0509
RT Abilities
Careers
–Education
Motivation
Performance
Personnel management
Professional advancement
–Professional personnel
–Professional societies
Scientific personnel
Scientific societies
Students
Technical papers
Technical societies
–Training

Professional personnel 0509
BT –Personnel
NT Architects
Consulting engineers
Designers
–Engineering personnel
Scientific personnel
RT Careers
–Education
–Employment
Executives
–Management
Manpower
Professional advancement
Professional development
–Professional societies
–Standards
Technical societies
–Training
Universities

Professional societies 0501
BT –Organizations
NT Scientific societies
Technical societies
RT –Education
Professional advancement
Professional development
–Professional personnel
Publications

Profiles 1407
NT Backwater profiles
Curved profiles
Drawdown curves
Flow profiles
Soil profiles
Streambed profiles
–Water surface profiles
Wind profiles
RT Areal
–Boundaries (surfaces)
Configuration
Contours
Distribution patterns
–Geometric shapes
Graded
–Gradients
–Mapping
–Shape
Soil surveys
Strata
–Stratification
–Surfaces
–Surveying
–Surveys
Thalweg
Waveforms
Weather patterns

Profit 0503
NT Gross profit
Net profit
RT –Benefits
Budgeting
–Costs
Earnings
Economic efficiency
Economic rent
–Economics
Engineering costs
Finance
Financial analysis
–Income
Interest (finance)
Investment
Labor savings
–Return (monetary)
Revenues
Risks
–Taxes
Value engineering

Profundal zone 0808
RT Aphotic zone
Hypolimnion
–Lakes
Light penetration

Programmed instruction 0509
BT –Instruction
RT –Education
Learning
–Training

Programming (computer)
USE Computer programming

Programming languages 0902
UF Computer languages
BT –Languages
RT Computer programming
–Computer programs
–Computers
Computer systems programs
–Data processing
Digital computers

Programs 1407
(excludes computer programs)
NT Drainage programs
RT –Administration
Budgeting
–Budgets
Decision making
–Forecasting
PERT
–Planning
Project planning
–Projects
Scheduling
–Training

Programs (computer)
USE Computer programs

Progressive taxes 0503
BT –Taxes
RT Assessments

Progress reports 0502
BT –Documentation
–Reports
RT –Construction
–Design
–Planning
Project summaries

Project benefits 0501 0503
BT –Benefits
RT Benefit-cost analysis
Boating
Direct benefits
–Erosion control
Fish and wildlife
–Fishing
Flood control
Hydroelectric power
Indirect benefits
–Irrigation
Municipal water
Project purposes
–Projects
–Recreation
–Recreation facilities
–River regulation
Streamflow regulation
Stream stabilization

Projected planning
USE Future planning (projected)

Project feasibility 0503
BT –Feasibility
RT Benefit-cost analysis
Benefit-cost ratios
Economic feasibility
Engineering evaluation
Feasibility studies
Financial feasibility
Project life
Project planning
Project purposes

Project feasibility (Con.)
Technical feasibility
Technology

Projections
USE Forecasting

Project life 1314
RT Age
Depreciation
Engineering obsolescence
Financing
–Forecasting
–Planning
Project feasibility
Project planning
Project purposes
–Projects
Scheduling

Project planning 1314
BT –Planning
RT –Administration
Benefit-cost analysis
Benefit-cost ratios
–Benefits
–Cost allocation
Cost repayment
–Costs
Cost sharing
Critical path method
Damsites
Design flood
Economic feasibility
–Economics
Electric power surveys
Engineers estimates
–Feasibility
Feasibility studies
Federal project policy
–Field investigations
–Forecasting
Foreign activities
–Investigations
Land settlement
–Legal aspects
Long-term planning
–Management
Marginal benefits
Multiple purpose projects
Optimum development plans
PERT
Preliminary investigations
Production planning
–Programs
Project feasibility
Project life
Project purposes
–Projects
Reconnaissance surveys
–Recreation
Safe yield
Water plans
–Water policy
–Zoning

Project purposes 1314
RT Competing uses
–Conservation
Federal project policy
Multiple purpose projects
Project benefits
Project feasibility
Project life
Project planning
–Projects
–Resource conservation
–Water policy
Water resources development
–Water utilization
–Zoning

Projects 0501
NT Foreign projects
Multiple purpose projects
RT –Administration
–Contracts
Estimating
–Evaluation
Federal project policy
Grants
–Management
Objectives
–Planning
–Programs
Project benefits
Project life
Project planning
Project purposes
–Research and development
Research facilities
Priorities
Production control
–Regulations

Project summaries 0502
RT Progress reports
–Reports
–Technical writing

Proof tests
USE Acceptance tests

Propagation 1407
NT Wave propagation
RT –Diffraction
–Diffusion
Spraying

Propane 0703
BT –Hydrocarbons
–Organic compounds
RT Coal gas

Propeller meters 1402
BT –Measuring instruments
–Meters
RT –Closed conduits
Flow measurement
Head losses
Open channel flow
Propellers
–Velocity meters
–Water measurement

Propeller pumps 1311
UF Axial flow pumps
BT –Hydraulic machinery
–Machines
–Pumps
–Rotary pumps
RT Centrifugal pumps
Low head
Propellers

Propellers 1309
RT Blades
–Hydraulic turbines
Naval architecture
Propeller meters
Propeller pumps
–Pumps
–Ships
–Turbines

Properties 1407
Use of a more specific term is recommended
NT –Biological properties
–Chemical properties
Concrete properties
Dielectric properties
–Electrical properties
Hydraulic properties
–Hydrologic properties
–Magnetic properties
–Mechanical properties
–Optical properties
–Physical properties
Physicochemical properties
Rock properties
Seismic properties
Soil chemical properties
–Soil physical properties
–Soil properties
–Surface properties
–Tensile properties
–Thermal properties
Water properties
RT Acceptability
–Behavior
Characteristics
–Measurement
Performance

Property boundaries
USE Boundaries (property)

Property values 0503
BT –Value
RT Land acquisition
Real property

Propogation (biological)
USE Reproduction (biology)

Proprietary power 0504.1
UF Power (proprietary)
RT Patents

Proration 0504.1
RT –Prior appropriation

Prospecting
USE Exploration

Protection (electrical) 0901
NT Circuit protection
Protective relaying
RT Air gaps
Capacitors
–Circuit breakers
–Circuits
–Electrical faults
Electrical grounding
Electrical insulation
–Electrical insulators
–Electric cables
Electric fuses
Electric power distribution
Electric reactors
Electric relays
Lightning arresters
Overhead ground wire
Overvoltage
–Transmission lines

Protective coatings 1103
UF Protective treatment
BT –Coatings
NT Coal tar coating
Plastic coatings
Primers (coatings)
Vinyl-resin coatings
RT Anodizing
Antifouling materials
–Asphalts
Blistering
Coal-tar epoxy paints
–Corrosion
–Corrosion control
Dipping
Enamels
Epoxy resins
–Films
–Finishes
–Finishing
Galvanizing
Hard surfacing
Holidays (coatings)
Inhibitors
Lacquers
–Linings
Linseed oil
Metal coatings
Moistureproofing
–Paints
Permissible velocity
Pipe wrappings
–Plastics
Plating
Protective coverings
–Rubber
Rust control
–Sealants
Sealing compounds
–Surfacing
Thin films
Varnishes
Waterproofing
Waxes
Weatherproofing
Wood preservatives

Protective coverings 1107
RT Armoring (streambed)
–Coatings
Housings
–Insulation
–Protective coatings
Roofs
Shields
Shotcrete
–Vegetal cover

Protective linings
USE Linings

Protective relaying 0901 0903
BT –Protection (electrical)
RT Alternating current
Control systems
Direct current
–Electrical faults
–Electric generators
–Electric motors
Electric relays
Microwaves
–Networks
Overvoltage
Powerline carriers
Reliability
Short circuits
Substations (electrical)
Switchyards (electrical)
System stability (electric)
–Transmission (electrical)
–Transmission lines

Protective treatment
USE Protective coatings

Proteins 0601
BT –Chemical compounds
–Nitrogen compounds
–Organic compounds
NT Caseins
RT Amino acids
Biochemistry
–Carbohydrates
Enzymes
Lipids
–Metabolism
–Nutrients
Peptides
Plant physiology

Protons 2008
BT –Ions
RT Alpha particles
Atoms
Cations
Cosmic rays
Electrons
Neutrons
–Nuclei

Prototypes 1407
RT Hydraulic similitude
–Models
Pilot plants
Prototype tests
Scale effect

Prototype tests 1402
BT –Tests
RT –Analytical techniques
Experimental data
–Field investigations
–Field tests
Foreign tests
–In situ tests
–Model studies
Model tests
Plate load tests
Prototypes
–Research and development
–Similitude
Test procedures
Test results
Theoretical analysis

Protozoa 0603.2
UF Ciliates
BT –Animals
–Invertebrates
–Microorganisms
RT Antiprotozoals (pesticides)
–Aquatic animals
–Aquatic microorganisms
–Parasites
–Soil microorganisms
Thermophilic animals
Water pollution sources

Protozoals (pesticides)
USE Antiprotozoals (pesticides)

Provenance 0808
RT –Sedimentation
–Sediments
Sediment yield

Prunus persica
USE Peaches

Prunus species
USE Stone fruits

Pseudomonas 0603.2
BT –Bacteria
–Microorganisms
–Plants (botany)
RT –Aquatic bacteria
–Aquatic microorganisms
Marine bacteria
Pathogenic bacteria

Pseudomonas (Con.)
—Plant diseases
—Soil bacteria

Psychological aspects 0510
RT Aesthetics
Applied psychology
Attitudes
Decision making
—Education
Employee relations
—Environmental engineering
—Environments
Ethics
Human engineering
Learning
Lighting
—Management
Motivation
—Psychology
—Recreation
—Social aspects
Social behavior
Sound

Psychology 0510
BT —Sciences
NT Applied psychology
RT Abilities
Aesthetics
Attitudes
—Behavior
Concentration
Creativity
Decision making
Ethics
Group dynamics
Human behavior
Human engineering
Leadership
Morale
Motivation
Psychological aspects
Reasoning
—Recreation
—Value

Psychrometrics 1402
BT —Hygrometry
—Metering
RT Humidity
—Temperature
—Water content

Psychrometry
USE Hygrometry

Public acequias 0203.1
BT —Acequias

Publications 0502
RT Abstracts
Annotations
Bibliographies
Biographies
Conferences
—Documentation
Editing
Information retrieval
International hydrological decade
Libraries
—Professional societies
—Records
—Reports
Reviews
Scientific societies
—Tables (data)
Technical papers
Technical societies
—Technical writing
Thesaurus
Translations

Public benefits 0501 0503
BT —Benefits
RT Public opinion

Public health 0605
BT —Health
RT —Air pollution
Air pollution control
Air pollution effects
Botulism
Cities
—Contamination
—Diseases
Entomology
—Environmental engineering
Environmental sanitation
Epidemiology
Epizootiology
Fish toxins
Floodwater
Fluoridation
Fluorides
—Human diseases
Human pathology
Landfills
—Legal aspects
Medicine
—Microbiology
Morbidity
Mortality
Mosquitoes
Municipalities
—Pest control
Pesticide residues
Pesticide toxicity
Potable water
Radioactivity effects
—Recreation
—Safety
Sanitation
—Social aspects
Soil contamination
Stream pollution
—Toxicity
Toxic waste disposal
Urbanization
Vectors (biology)
—Viruses
—Water pollution
—Water purification
—Water quality
Water treatment plants
Zoonoses

Public land 0504
BT —Land
NT —Federal reservations
Military reservations
National battlefields
National forests
National historic parks
National historic sites
National lakeshores
National memorials
National monuments
—National parks
National recreation areas
National seashores
Withdrawn lands
RT Highway beautification
Indian reservations
—Parks
Public land policy
—Reclamation
—Recreation facilities

Public land policy 0504
BT —Policies
RT —Public land

Public opinion 0511
RT Aesthetics
Applied psychology
Ethics
Human behavior
Political constraints
Political science
Public benefits
Public relations
Questionnaires
—Social aspects

Public relations 0501
RT Applied psychology
Employee relations
Industrial relations
—Management
Personnel management
—Policies
Political aspects
Political constraints
Public opinion

Public rights 0504.1
BT —Legal aspects
RT Litigation
Right-of-way
—Water law

Public services 0504
RT Civil service

Public utilities 1302
BT —Utilities
NT Electric utilities
RT City planning
Civil defense
—Civil engineering
—Electric power
—Facilities
—Organizations
Public utility districts
Public works
River basin development
Water distribution (applied)

Public utility districts 0504
BT —Regions
RT —Electric power
—Governments
—Public utilities
—Utilities

Public works 1302
RT Aqueducts
Civil service
—Construction
—Contracts
—Conveyance structures
—Dams
—Design
—Distribution systems
—Hydraulic structures
Hydroelectric powerplants
Multiple purpose structures
—Parks
—Public utilities
Right-of-way
—Sewage works
Sewers
Water treatment plants
—Waterworks

Puddleducks 0603.2
BT —Animals
—Aquatic life
—Birds
—Ducks (wild)
—Migratory birds
—Waterfowl
—Wildlife
RT Animal groupings
—Aquatic animals
Bird types

Puddling 1315
BT —Construction methods
RT —Compaction
—Construction
—Earth materials
—Earthworks
Hydraulic fill dams
Hydraulic fills
Impervious soils
Mud
Ponding
Slurries
Soil compaction
Wet condition
Workability

Pueblo water rights 0504.1
BT —Water rights
RT —Civil law
—Riparian rights

Pull-out tests 1402
BT —Pull tests
—Tests
RT Anchor bolts
—Anchors
Belled anchors
Belled footings
Bonding strength
Bond tests
—Field tests
—Footings
Grillage footings
—In situ tests
Loading tests
—Loads (forces)
Pressed plate footings
Rock tests
Uplift footings
Uplift resistance
Vertical loads

Pull tests 1402
BT —Materials tests
—Tests
NT Pull-out tests
RT Anchor bolts
—Anchors
Belled anchors
—Rock bolts
Uplift resistance

Pulp and paper industry 1308
UF Paper industry
BT —Industries
RT —Forests
Labels
Lumbering
Paper
Pulp wastes
Saw mills
—Wood
Wood wastes

Pulp wastes 1308
UF Paper pulp wastes
BT —Industrial wastes
—Wastes
RT Cellulose
Chemical wastes
Fibers (plant)
—Lignins
Lumbering
—Organic wastes
Pulp and paper industry
Saw mills
Sulfite liquors
Water pollution sources
Wood wastes

Pulsating flow 2004
BT —Flow
—Fluid flow
—Movement
RT —Frequency
Impulses
—Mechanical waves
Natural frequency
Pulses
Vibration damping
Water hammer
Wave generation
—Waves (water)
Wave suppressors

Pulses 1407
RT Cyclic loads
—Frequency
Impulses
—Mechanical waves
Natural frequency
Pulsating flow
—Surges
—Vibration
—Waves

Puls method
USE Flood routing

Pumice 0807
UF Pumicites
BT —Acidic rocks
—Earth materials
—Igneous rocks
—Materials
—Rocks
—Soils
—Volcanic rocks
RT Abrasives
Lava
Lightweight aggregates
Perlite
Rhyolite
—Tuff
Volcanic ash

Pumicites
USE Pumice

Pumped concrete 1303.1
BT —Building materials
—Concretes
—Construction materials
RT Concrete control
—Concrete placing
—Construction methods
—Pumps
Shotcrete
Tremie concrete

Pumped storage 1302.6
BT —Storage
—Water storage
RT Deriaz pump turbine
—Electric power
—Flow augmentation
Forebays
Generator-motors
Hydroelectric power

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Pumped storage (Con.)
Hydroelectric powerplants
Potential hydropower
—Pumping
—Pump turbines
Reservoir capacity
—Reservoir operation
Reservoir storage
—Reversible turbines
Tidal energy
Water supply
Water supply systems

Pumping 1308
UF Water pumping
NT Deep-well pumping
RT Aquifer tests
Dewatering
—Drainage
Drainage systems
—Drawdown
Drawdown curves
—Electric powerplants
—Flow
Groundwater depletion
Groundwater mining
Groundwater movement
—Hydraulics
Hydrostatic pressure
Induced infiltration
—Irrigation systems
Irrigation wells
Land subsidence
Materials handling
Mixed flow pumps
Mudjacking
Overdraft
—Pipelines
Plumbing
Pumped storage
Pumping plants
—Pumps
—Pump turbines
Recirculating irrigation system
—Rotary pumps
Safe yield
—Saline water intrusion
Specific capacity
—Storage
—Subsidence
Sumps
—Water circulation
Water column separation
Water delivery
Water level fluctuations
—Wells

Pumping plants 1302
UF Pumping stations
BT —Industrial plants
—Structures
RT Approach channels
Aqueducts
—Buildings
—Drainage
—Entrances (fluid flow)
—Fluid flow
Forebay dams
—Hydraulic structures
—Irrigation
Large structures
Mixed flow pumps
Outdoors
—Pipelines
Piping systems (mechanical)
—Pumping
—Pumps
—Pump turbines
—Sewage
Sewerage
Vacuum breakers
—Vibration
—Water storage

Pumping stations
USE Pumping plants

Pumping tests (wells) 0808.1
BT —Tests
RT —Aquifers
Aquifer tests
—Drawdown
—Field permeability tests
—Field tests
Flow measurement
—In situ tests
Liquid level gages
Observation wells
—Pumps
—Recharge
Thiem test
—Wells
Well yield

Pump intakes 1313.1
BT —Hydraulic structures
—Intakes
RT —Debris barriers
Flow measurement
—Intake structures
Permissible velocity
—Pumps
Sediment control
—Subatmospheric pressure
Submergence
Trashracks

Pumps 1311
BT —Hydraulic equipment
—Hydraulic machinery
—Machines
—Rotating machines
NT Centrifugal pumps
Deriaz pump turbine
Feed pumps
Jet pumps
Mixed flow pumps
Propeller pumps
—Pump turbines
Reciprocating pumps
—Rotary pumps
Vacuum pumps
RT Air compressors
Axial flow
Blades
—Compressors
Control systems
Drainage engineering
Ejectors
Farm equipment
Gears
High head
Hydraulic systems
Impellers
Injectors
—Intake structures
Irrigation design
Irrigation engineering
Jets
Laboratory equipment
Low head
—Materials handling equipment
Mechanical equipment
Outdoors
Pistons
Propellers
Pumped concrete
—Pumping
Pumping plants
Pumping tests (wells)
Pump intakes
Pump tests
Rotating components
Siphons
Spiral cases
Sprinkler irrigation
—Turbines
—Vacuum apparatus
—Vanes
Water conveyance
Water distribution (applied)
—Wells

Pump tests 1311
BT —Tests
RT Chemical dilution method
—Drawdown
—Field permeability tests
Fluorescein
Groundwater flow
Index tests
Mixed flow pumps
Performance
Pressure tests
—Pumps
—Quality control
—Radioisotopes
Test results
Wellpoints

Pump turbines 1307.1
BT —Equipment
—Hydraulic equipment
—Hydraulic machinery
—Hydraulic turbines
—Machines
—Pumps
—Reversible turbines
—Turbines
NT Deriaz pump turbine
RT Blades
Francis turbines
High head
Hydroelectric powerplants
Multiple purpose structures
Pumped storage
—Pumping
Pumping plants
—Reaction turbines
—Rotary pumps
Spiral cases
Stay rings
Stay vanes
Turbine parts
Turbine wheels

Punched tapes 0902
BT —Computer storage devices
—Tapes
RT —Data processing
Data storage
Data transmission
Magnetic tapes

Pungitius species
USE Sticklebacks

Purchasing 0501 0503
BT —Procurement
RT Bids
—Consumers
—Contracts
Cost savings
Guarantees
—Planning
Production control
Scheduling

Purification 1407
RT —Abatement
Aeration
—Beneficiation
Clarity
Cleaning
Concentration
—Contamination
Crystallization
Decontamination
—Demineralization
—Desalination
Dissipation
—Distillation
Multistage flash distillation
Nuclear desalting
Pollution abatement
—Separation
Solvent extractions

Purification (water)
USE Water purification

Pyridine pesticides 0606
BT —Chemicals
—Organic pesticides
—Pesticides

Pyrite 0807
BT —Minerals
RT —Iron compounds
—Sulfides

Pyrrophyta 0613
BT —Algae
—Aquatic algae
—Aquatic life
—Aquatic plants
—Plants (botany)
NT Dinoflagellates
RT —Aquatic microorganisms

Pyrus malus
USE Apples

Pyrus species
USE Pome fruits

Q

Qualitative analysis 0704
BT —Analysis
—Analytical techniques
—Chemical analysis
RT —Chromatography
Colorimetry
Differential thermal analysis
Flame photometry
Gas chromatography
Infrared spectroscopy
—Materials tests
—Microscopy
Neutron activation analysis
—Quantitative analysis
—Spectrometry
—Spectroscopy
Water analysis
—X-ray analysis
X-ray spectroscopy

Quality control 1308
BT —Control
NT Statistical quality control
Water quality control
RT Acceptability
Acceptance tests
Average
—Codes
—Construction
—Construction control
Correlation
Correlation techniques
—Efficiencies
Errors
Estimating
—Evaluation
Field control
—Field investigations
Field laboratories
—Field tests
Foreign tests
Frequency distribution
—Indicators
Industrial engineering
—Inspection
Laboratory tests
Least squares method
—Materials
Materials control
Materials engineering
Materials failure
—Materials tests
—Mechanical properties
—Nondestructive tests
Normalizing
—Operations research
Optimization
Plant efficiencies
Probability theory
Process control
Product evaluation
Production control
—Productivity
Pump tests
—Radiographic inspection
—Regression analysis
Reliability
Reproducibility
—Sampling
Scheduling
Sequential analysis
Sonic velocity tests
Specifications
Standard deviation
—Standards
Static tests
—Statistical analysis
—Storage
Test procedures
—Tests
Tolerances (mechanics)
Value engineering
Variability
—Water utilization
X-ray inspection

Quantitative analysis 0704
BT —Analysis
—Analytical techniques
—Chemical analysis
NT Gravimetric analysis
Polarographic analysis
RT —Chromatography
Colorimetry
Differential thermal analysis
Gas chromatography
—Materials tests
Neutron activation analysis
Qualitative analysis
—Spectroscopy
Water analysis

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Quantitative analysis (Con.)
—X-ray analysis
X-ray spectroscopy

Quantum analysis
USE Quantum mechanics

Quantum mechanics 2010
UF Analysis (quantum)
Quantum analysis
BT —Physics
RT Nuclear physics
—Waves

Quarries 0809
BT —Mines
RT —Blasting
—Borrow areas
Borrow pits
—Construction materials
—Excavation
—Explosive excavation
—Gravels
—Mining
—Open pit mining
—Pits
Quarrying
Riprap
Rock excavation
Rock mechanics
—Rocks
Sand pits
Selected materials
Stones

Quarrying 0809
BT —Excavation
—Mining
—Open pit mining
RT —Blasting
—Blasts
Charges (explosives)
—Construction
—Earth handling equipment
Earthmoving
—Earthworks
Explosive construction
—Explosive excavation
—Explosives
Gravel pits
High explosives
—Mines
Quarries
Rock breakage
Rock crushers
Rock excavation
Rock mechanics
—Rocks
Sand pits
Smooth wall blasting
Strip mines
Stripping

Quartz 0807
BT —Minerals
RT Chert
Silica

Quartzite 0807
BT —Crystalline rocks
—Metamorphic rocks
—Rocks
RT Sandstone
—Sedimentary rocks

Quaternary period 0807
BT —Cenozoic era
—Geologic time
NT Pleistocene epoch
Recent epoch
RT Dendrochronology
Geomorphology
Paleohydrology
Paleolimnology
Palynology
Sea level
—Shores
Tertiary period

Quays
USE Docks

Quenching 1308
RT —Cooling
Dipping
—Hardening
Metals treatment
Precooling
Saturation
Submergence
Supersaturation

Quercus
USE Oak trees

Questionnaires 0502
RT Public opinion
Surveys (data collection)

Queueing theory 1202
BT —Operations research
—Theory
RT —Mathematical analysis
—Mathematical models
—Mathematics
—Statistical analysis
—Statistical models
—Stochastic processes

Quick clays 0807 0813
BT —Clays
—Earth materials
—Fines
—Materials
—Soils
—Soil types
RT —Disturbances
Foundation failure
—Liquefaction
Marine clays
Saturated soils
Sensitivity
Soil stability
Wet condition

Quicksand 0807 0813
BT —Granular materials
—Sands
—Soils
—Soil types
RT Artesian water
—Groundwater
Groundwater flow
Hydraulic gradient
—Liquefaction
—Marshes
Sand boils
Saturated soils
—Soil water
—Springs (water)
—Swamps
—Water table

R

Rabbitbush [illegible]1
BT —Brush
—Crops
—Dicots
—Horticultural crops
—Phreatophytes
—Plants (botany)
RT Chaparral
—Desert plants
Range management
—Weed control

Radar 1709
NT Meteorological radar
RT Antennas
Communication
—Detectors
Direction finding
Electromagnetic pulses
—Instrumentation
Navigation
Radar reflections
Radio communication systems
Remote sensing
—Surveying
—Transmitters
Weather forecasting
Weather patterns

Radar equipment 1709
RT Airborne equipment
—Electronic equipment
Radar reflections
—Receivers
Servomechanisms

Radar reflections 1709
RT —Electromagnetic waves
—Interference
—Radar
Radar equipment

Radial gates 1313
UF Tainter gates
BT —Gates
—Hydraulic equipment
RT Fixed wheel gates
Floodgates
—Fluid mechanics
—Hoisting machinery
—Outlet works
Sector gates
Sluice gates
Spillway gates
—Spillways

Radial loads 2011
BT —Loads (forces)
RT Circumferential stress
Pressure conduits
Pressure pipes
Pressure tunnels
Pressure vessels
Radial stress
Tangential stress

Radial stress 2012
BT —Stress
RT Circumferential stress
Compressive stress
Normal stress
Pressure vessels
Radial loads
Tangential stress
Tensile stress

Radiation 1407
BT —Transport phenomena
NT Ambient light
Background radiation
Beta particles
Bottom-reflected light
Cosmic rays
—Elastic waves
—Electromagnetic waves
Gamma rays
Infrared radiation
—Noise (sound)
—Radio waves
Solar radiation
Thermal radiation
Ultraviolet radiation
X-rays
RT Albedo
Alpha particles
—Atmosphere
—Climatology
Cloud cover
Conduction
Dosage
Emissivity
—Energy
—Energy transfer
—Heating
—Hydrometeorological station
Irradiation
—Light
—Luminescence
—Meteorology
Microwaves
Nuclear physics
—Radiation detectors
Radiation effects
—Radiation measuring equipment
Radiation shielding
Radioactive contamination
Radioactivity
—Radiography
—Radioisotopes
—Radio signals
—Shielding
Snowmelt
Wavelength
Wave propagation
—Waves

Radiation (alpha)
USE Alpha particles

Radiation (beta)
USE Beta particles

Radiation (cosmic)
USE Cosmic rays

Radiation (gamma)
USE Gamma rays

Radiation (infrared)
USE Infrared radiation

Radiation (ultrasonics)
USE Ultrasonics

Radiation (ultraviolet)
USE Ultraviolet radiation

Radiation damages
USE Radiation effects

Radiation detectors 1804
BT —Detectors
—Equipment
—Instrumentation
—Measuring instruments
—Sensors
—Test equipment
NT Geiger counters
Photometers
Scintillation counters
RT —Meteorological instruments
Neutron counters
—Radiation
Radiation hazards
—Radiation measurement
—Radiation measuring equipment
Radioactive contamination
Spectrometers

Radiation effects 1502
UF Radiation damages
RT —Damages
—Degradation
—Degradation (decomposition)
Fallout
Gamma rays
—Hazards
Irradiation
Neutrons
Nuclear energy
Preservation
—Radiation
Radiation hazards
Radioactive contamination
Radioactive decay
Radioactive wastes
Radioactivity
—Radiochemistry
—Shielding
—Toxicity
X-rays

Radiation hazards 1312
BT —Hazards
RT Fallout
Geiger counters
—Health
Nuclear fission
Nuclear moisture meters
Nuclear safety
—Radiation detectors
Radiation effects
—Radiation measurement
—Radiation measuring equipment
Radiation shielding
Radioactive contamination
Radioactive waste disposal
Radioactive wastes
Radioactivity
—Radiochemistry
—Radioisotopes
Radiosensitivity

Radiation measurement 1804
BT —Equipment
—Measuring instruments
—Test equipment
NT Neutron counters
RT —Detectors
Dosage
Geiger counters
—Meteorological instruments
—Radiation detectors
Radiation hazards
—Radiation measuring equipment
Radioactive contamination
Radioactivity
Scintillation counters
—Sensors
Spectrometers
Test canals

Radiation measuring equipment
1804
BT –Equipment
–Instrumentation
–Measuring instruments
–Test equipment
NT Geiger counters
Neutron counters
Photometers
Radiometers
Scintillation counters
RT –Detectors
–Meteorological instruments
Neutron counters
–Radiation
–Radiation detectors
Radiation hazards
–Radiation measurement
–Sensors
Spectrometers
–Spectrometry

Radiation shielding 1806
BT –Shielding
RT Absorbers
Attenuators
Electromagnetic shielding
Neutron absorption
Nuclear reactors
Nuclear safety
–Radiation
Radiation hazards
Radioactive contamination
Radioactive wastes

Radiators 1301
RT –Cooling
Cooling systems
Fans
Heat flow
–Heating
Heating plants
Piping systems (mechanical)

Radioactive contamination 1808
UF Contamination (radiological)
BT –Contamination
RT Fallout
–Hazards
Nuclear explosions
Nuclear fission
–Nuclear reactions
Nuclear safety
Pollutants
–Radiation
–Radiation detectors
Radiation effects
Radiation hazards
–Radiation measurement
Radiation shielding
Radioactive decay
Radioactive waste disposal
Radioactive wastes
Radioactivity
Radioactivity effects
–Radiochemistry
Radioecology
–Radioisotopes
–Shielding
–Toxicity
–Tracers

Radioactive dating 1802
UF Isotope chronology
BT –Dating
–Radioactivity techniques
RT Age
Carbon radioisotopes
–Geochemistry
–Geologic time
Half life
–Isotopes
Potassium radioisotopes
Radioactive decay
–Radioisotopes
Uranium radioisotopes

Radioactive decay 1808
BT –Nuclear reactions
RT Alpha particles
Beta particles
–Decomposition
Gamma rays
Geiger counters
Half life
–Isotopes
Neutrons
Radiation effects
Radioactive contamination
Radioactive dating
Radioactive tracers
Radioactive wastes
Radioactivity
–Radioactivity techniques
–Radioisotopes

Radioactive fallout
USE Fallout

Radioactive isotopes
USE Radioisotopes

Radioactive tracers 1402
BT –Tracers
RT –Isotopes
Mixing length
Radioactive decay
Radioactivity
–Radioactivity techniques
–Radiography
–Radioisotopes
Tracking techniques

Radioactive waste disposal 1807
BT –Disposal
–Industrial waste treatment
–Waste disposal
RT Disposal wells
Radiation hazards
Radioactive contamination
Radioactive wastes
–Radiochemistry
–Waste treatment

Radioactive wastes 1807
UF Nuclear wastes
BT –Wastes
RT –Air pollution
Chemical wastes
Fallout
–Hazards
–Isotopes
Nuclear energy
Nuclear engineering
Nuclear explosions
–Nuclear powerplants
Nuclear reactors
Nuclear safety
Pollutants
Radiation effects
Radiation hazards
Radiation shielding
Radioactive contamination
Radioactive decay
Radioactive waste disposal
Radioactivity
Radioactivity effects
Radiochemical analysis
–Radiochemistry
Radioecology
–Radioisotopes
Sanitary engineering
Sewage disposal
Sewage treatment plants
–Sewage works
–Water pollution
Water pollution sources

Radioactive well logging 1402
BT –Logging (recording)
–Well logging
RT Gamma probes
–Geophysical prospecting
–Geophysics
Radioactivity
–Radioactivity techniques
–Radioisotopes

Radioactivity 1808
RT Alpha particles
Background radiation
Beta particles
Borehole geophysics
Fallout
Gamma rays
–Geophysics
Half life
–Isotopes
Neutrons
Nuclear energy
Nuclear excavation
Nuclear fission
–Nuclear meters
Nuclear physics
–Radiation
Radiation effects
Radiation hazards
–Radiation measurement
Radioactive contamination
Radioactive decay
Radioactive tracers
Radioactive wastes
Radioactive well logging
Radioactivity effects
–Radioactivity techniques
Radiochemical analysis
–Radiochemistry
Radioecology
–Radiography
–Radioisotopes
Radiosensitivity
Radium compounds
Rock properties
Soil contamination
Ultimate disposal
–Water quality

Radioactivity effects 1808
BT –Effects
RT Air pollution effects
Balance of nature
–Damages
–Ecology
–Environmental effects
Fallout
Food chains
–Genetics
–Habitats
Lethal limit
–Population
–Productivity
Public health
Radioactive contamination
Radioactive wastes
Radioactivity
–Radioactivity techniques
–Radiochemistry
Radioecology
Radiosensitivity
–Succession
Water pollution effects

Radioactivity techniques 1402
NT Radioactive dating
Radiochemical analysis
RT –Analytical techniques
–Nondestructive tests
Radioactive decay
Radioactive tracers
Radioactive well logging
Radioactivity
Radioactivity effects
–Radiochemistry
–Radiography
–Radioisotopes
–Tracers
–Well logging

Radiocarbon
USE Carbon radioisotopes

Radiochemical analysis 0705
BT –Analysis
–Analytical techniques
–Chemical analysis
–Radioactivity techniques
–Radiochemistry
RT –Chemistry
Fallout
Irradiation
Radioactive wastes
Radioactivity
–Radioisotopes

Radiochemistry 0705
BT –Chemistry
NT Radiochemical analysis
RT –Isotopes
Nuclear engineering
Nuclear magnetic resonance
Nuclear physics
Radiation effects
Radiation hazards
Radioactive contamination
Radioactive waste disposal
Radioactive wastes
Radioactivity
Radioactivity effects
–Radioactivity techniques
Radioecology
–Radioisotopes

Radio communication systems
1702
RT Amplitude modulation
Antennas
Communication
Microwaves
–Radar
Radio interference
Radio reception
Radio relay stations
Radios
–Radio waves
–Receivers
Repeaters (communications)
Telemetry systems
–Television
VHF

Radioecology 0618
BT –Ecology
RT Background radiation
–Biology
Radioactive contamination
Radioactive wastes
Radioactivity
Radioactivity effects
–Radiochemistry
–Radioisotopes
–Tracers

Radiographic inspection 1402
BT –Inspection
–Materials tests
–Nondestructive tests
–Radiography
NT X-ray inspection
RT Fluoroscopes
–Photography
–Quality control
–X-ray analysis
X-rays

Radiography 1402
NT –Radiographic inspection
X-ray inspection
RT Fluoroscopes
Gamma rays
–Nondestructive tests
–Photography
–Radiation
Radioactive tracers
Radioactivity
–Radioactivity techniques
–Radioisotopes
–X-ray analysis
X-ray fluorescence
X-rays

Radio interference 2014
BT –Interference
RT Atmospherics
Communication
–Disturbances
Electromagnetic pulses
–Electromagnetic waves
Extra high voltage
Radio communication systems
Radio reception
–Radio signals
–Radio waves
–Transmission lines
Ultra high voltage
VHF

Radioisotopes 1802
UF Isotopes (radioactive)
Radioactive isotopes
BT –Isotopes
NT Arsenic radioisotopes
Cadmium radioisotopes
Carbon radioisotopes
Chlorine radioisotopes
Cobalt radioisotopes
Gold radioisotopes
Iodine radioisotopes
Lead radioisotopes
Phosphorus radioisotopes
Plutonium radioisotopes
Potassium radioisotopes
Radium radioisotopes
Sodium radioisotopes
Strontium radioisotopes
Thallium radioisotopes
Tritium
Uranium radioisotopes
Zinc radioisotopes
RT Alpha particles
Background radiation
Beta particles
Carriers
–Chemical elements
–Chemicals
Fallout
Gamma rays

Radioisotopes (Con.)
Half life
Marking techniques
Nuclear physics
—Nuclear reactions
Pump tests
—Radiation
Radiation hazards
Radioactive contamination
Radioactive dating
Radioactive decay
Radioactive tracers
Radioactive wastes
Radioactive well logging
Radioactivity
—Radioactivity techniques
Radiochemical analysis
—Radiochemistry
Radioecology
—Radiography
Radionuclides
Stable isotopes
Tagging
—Tracers
Tracking techniques
Water pollution sources
Water properties

Radiometers 1402
BT —Equipment
—Instrumentation
—Measuring instruments
—Radiation measuring equipment
—Test equipment
RT Infrared detectors
Infrared radiation
Photometers
Spectrophotometry
Thermal radiation

Radionuclides 1802
RT —Radioisotopes

Radio reception 1702
RT —Interference
Microwaves
Radio communication systems
Radio interference
Radio relay stations
Radios
—Radio signals
—Radio waves
—Receivers
—Television

Radio relay stations 1702
RT Radio communication systems
Radio reception
Telemetry systems
—Television

Radios 1702
RT —Acoustic equipment
High frequency
Radio communication systems
Radio reception
—Receivers
Repeaters (communications)
Telephones
—Television
—Transmitters

Radiosensitivity 1808
RT Background radiation
Lethal limit
Radiation hazards
Radioactivity
Radioactivity effects

Radio signals 1702
NT VHF
RT Direction finding
High frequency
—Interference
—Radiation
Radio interference
Radio reception
—Radio waves
—Television

Radiosondes 0401
BT —Equipment
—Instrumentation
—Measuring instruments
—Test equipment
—Transmitters
RT —Meteorological instruments
—Meteorology
Telemetry
Weather data

Radio waves 2014
BT —Electromagnetic waves
—Radiation
—Transport phenomena
—Waves
NT Microwaves
RT Atmospherics
Direction finding
High frequency
Modulation
Radio communication systems
Radio interference
Radio reception
—Radio signals
Solar radiation
—Television
Thermal radiation
VHF
Wavelength

Radium 0702
BT —Alkaline earth metals
—Chemical elements
—Metals
NT Radium radioisotopes
RT Radium compounds

Radium compounds 0702 0703
BT —Chemical compounds
RT Radioactivity
—Radium

Radium radioisotopes 1802
BT —Alkaline earth metals
—Chemical elements
—Isotopes
—Metals
—Radioisotopes
—Radium

Railroad bridges 1313.5
BT —Bridges (structures)
—Engineering structures
RT Arch bridges
Arch trusses
Bascule bridges
Highway bridges
Railroad relocation
Railroads
Suspension bridges
Truss bridges
Wooden bridges

Railroad relocation 1302
BT —Relocation
RT Locating
Locations
Railroad bridges
Railroads
Replacing
Right-of-way
Vehicular tunnels

Railroads 1306
UF Railways
RT Base courses
Borrow pits
—Civil engineering
Crossings
—Embankments
—Engineering structures
—Highways
Locomotives
Railroad bridges
Railroad relocation
Railroad tunnels
Rails
Roadbanks
Tramways
—Transportation

Railroad tunnels 1313.2
BT —Tunnels
—Underground structures
RT —Groundwater
Railroads
—Rock bolts
—Tunnel construction
Tunnel design
Tunnel failure
Tunneling
Tunneling machines
Tunnel linings
Tunnel supports
Vehicular tunnels

Rails 1407
RT —Cranes (hoists)
—Hydraulic gates
Railroads

Railways
USE Railroads

Rain 0402
UF Pluvial
BT —Groundwater sources
—Precipitation (atmospheric)
RT Cloudbursts
Cloud seeding
Debris avalanches
Drizzle
—Erosion
—Floods
Hurricanes
Hydrometeorology
Induced precipitation
Interception
Microenvironment
Mist
Orographic precipitation
Raindrops
—Rainfall
Rainfall intensity
Rain forests
Rain gages
Rain water
Rational formula
—Runoff
Sleet
Soil erosion
—Storms
Thunderstorms
—Tropical cyclones
Typhoons
Water sources
Weather
—Weather modification
Weather patterns

Rainbow trout 0603.2
UF Salmo gairdneri
Steelhead trout
BT —Animals
—Aquatic animals
—Aquatic life
—Cold-water fish
—Fish
—Pan fish
—Salmonids
—Trout
—Wildlife

Raindrops 0402
BT —Drops (fluids)
RT —Condensation
Impact (rainfall)
Interception
Mist
Nucleation
Rain
—Rainfall
Rain water
Sheet erosion

Rainfall 0402
UF Hydrographs (rainfall)
Rainfall hydrographs
NT Cloudbursts
Simulated rainfall
RT Annual floods
Arid climates
Chemistry of precipitation
—Climatology
Cloud seeding
Depth-area curves
Depth-area-duration analysis
Design storm
Drainage basins
Excessive precipitation
Flash floods
Flood estimate
Flood forecasting
Flood frequency
Flood hydrographs
Flood hydrology
Flood waves
Humid areas
—Hydrographs
Hydrologic cycle
—Hydrology
Hydrometeorology
Hyetographs
Impact (rainfall)
—Intensity
Interception
Isohyets
Large watersheds
Lysimeters
Mass curves
Monsoons
Peak runoff
—Precipitation (atmospheric)
—Precipitation intensity
Precipitation rate
Rain
Raindrops
Rainfall disposition
Rainfall intensity
Rainfall-runoff relationships
Rain gages
Rational formula
River forecasting
—Runoff
Soil erosion
Stemflow
—Storms
Subhumid areas
Throughfall
Time lag
—Watersheds (basins)
—Water supply forecasting

Rainfall disposition 0402
RT Areal
Depth-area curves
Depth-area-duration analysis
Distribution patterns
—Precipitation (atmospheric)
—Precipitation intensity
Probable maximum precipitation
—Rainfall
Rainfall-runoff relationships
Rain gages
—Runoff
Surface runoff

Rainfall excess
USE Precipitation excess

Rainfall hydrographs
USE Rainfall

Rainfall intensity 0402
BT —Intensity
—Precipitation intensity
—Rates
RT Depth-area-duration analysis
Flash floods
Flood hydrographs
Flood peaks
Flood waves
—Meteorology
—Precipitation (atmospheric)
Rain
—Rainfall
—Runoff
Runoff forecasting

Rainfall nuclei
USE Nucleation

Rainfall-runoff relationships 0808
RT Base flow
Depth-area curves
Depth-area-duration analysis
—Discharge (water)
Flood forecasting
—Hydrographs
Infiltration
—Intensity
Maximum probable flood
Overland flow
Percolation
—Rainfall
Rainfall disposition
—Runoff
Runoff coefficient
—Slopes
Storage coefficient
Surface-groundwater relationships
Surface storage
Time lag
Vegetation effects
Water harvesting

Rainfall simulators 1402
BT —Infiltrometers
RT Induced precipitation
Simulated rainfall
Sprinkler irrigation

Rain forests 0206 0402
BT —Biomes
—Forests
RT Gray-brown podzolic soils
Humid areas

Rain forests (Con.)
Humid climates
Mountain forests
–Podzols
Rain
Red podzolic soils
Subtropic
Temperate
Terrain
Tropic
Wet climates
Wet seasons
Yellow podzolic soils

Rain gages 1402
BT –Equipment
–Gages
–Hydrologic instruments
–Instrumentation
–Measuring instruments
–Meteorological instruments
–Precipitation gages
RT –Gaging stations
–Hydrometeorological station
–Precipitation (atmospheric)
Rain
–Rainfall
Rainfall disposition
Rain water

Rain stimulation
USE Cloud seeding

Rain water 0808
BT –Water types
RT Cisterns
Excess water (soils)
–Floods
Overland flow
Rain
Raindrops
Rain gages
Surface runoff
Water harvesting

Rainy seasons
USE Wet seasons

Ranch ponds
USE Farm ponds

Random processes
USE Stochastic processes

Range finding
USE Position finding

Range grasses 0603.1
BT –Agronomic crops
–Crops
–Field crops
–Forage grasses
–Forages
–Grasses
–Monocots
–Plants (botany)
NT Grama grasses
Wheatgrasses
RT Grazing land
Plant groupings
Range management

Range land
USE Grazing land

Range management 0205
BT –Management
RT Arid lands
Browse utilization
–Brush
Brush control
Carrying capacity
Chaparral
–Conservation
–Desert plants
Forest management
Grazing
Grazing land
–Irrigation practices
Mesquite
Pasture management
Poisonous plants
Rabbitbush
–Range grasses
Ranges
–Resource conservation
–Revegetation
Sagebrush
Soil conservation
Tamarisk
–Vegetation establishment
Vegetation regrowth
Water conservation
–Weed control

Ranges 1407
RT Browse utilization
–Brush
Carrying capacity
Chaparral
–Conservation
–Constraints
Distance
Errors
–Forages
Forest management
–Grasslands
Land use
Optimization
Pasture
–Phreatophytes
Range management
–Resource conservation
Sensitivity
–Succession
–Vegetal cover
Vegetation
Watersheds (divides)

Ranges (distance) 0802
RT Baselines
–Plane surveying
Reaches (distance)
–Stations
–Surveying
–Surveys

Rankine pressure 2011
BT –Pressure
RT Active pressure
–Earth pressure
Passive pressure
–Retaining walls
Soil pressure
–Stress

Rapid compaction control 0813
UF Compaction control (rapid)
Control (rapid compaction)
BT –Control
RT Compaction tests
Dry density
–Earthworks
Field density
–Field tests
–Finegrained soils
–Methodology
–Moisture content
Optimum moisture content
Proctor curves
Soil compaction
Soil density
–Soil moisture
–Soil tests
Test procedures
–Water content

Rapid drawdown 0808.1
BT –Drawdown
RT Canal embankments
–Canals
Dam failure
Drainage systems
–Earth dams
–Failure (mechanics)
Hydraulic pressure
Phreatic lines
–Pore pressure
Relief wells
–Reservoir operation
Rupturing
–Slope stability
–Water wells
–Wells

Rapid excavation 1315
BT –Excavation
RT –Blasting
–Canals
–Construction
–Construction equipment
–Construction methods
Cratering
–Earth handling equipment
Earthmoving
–Excavators
–Explosions
Explosive construction
–Explosive excavation
–Explosives
Harbors
Nuclear excavation
Nuclear explosions
Rock breakage
Rock excavation
Rock mechanics
Tunneling machines
Underground explosions
Underwater explosions

Rapid flow
USE Supercritical flow

Rates 1407
NT Electric power rates
Feeding rates
Flow rates
Growth rates
Loading rate
Rainfall intensity
Rates of application
Sedimentation rates
Strain rate
–Use rates
Water rates
RT Celerity
Current meters
Discount rate
Distribution patterns
Electric utilities
Fluctuation
–Frequency
–Hydrographs
Hydrophase diagrams
Interest rate
Land appraisal
Morbidity
–Payment
–Prices
Recession curves
Safe yield
Salaries
Storage coefficient
–Taxes
–Time
–Utilities
–Velocity
–Water yield

Rates of application 1407
UF Application rates
BT –Rates
RT –Application methods
Chemcontrol
Distribution patterns
Duty of water
–Growth stages
–Irrigation practices
Loading rate
Return flow
Timing
Water delivery
Water distribution (applied)

Rational formula 0808
BT –Formulas
RT –Drainage
–Floods
–Flow
–Intensity
Peak discharge
Peak floods
–Precipitation intensity
Rain
–Rainfall
–Runoff
Runoff coefficient
Time of concentration
–Watersheds (basins)

Ravines 0807
BT –Land forms
RT Arroyos
Canyons
Gullies
Gully erosion
Guts
–Valleys

Rayon 1105
BT –Fibers
RT Cellulose
Synthetic fibers
Textiles

Reaches (distance) 1407
RT –Canals
–Channels
Distance
Length
–Measurement
Navigation
Ranges (distance)
–Rivers
–Shores
–Streams

Reactance 2003
RT Capacitance
Electrical conductance
Electrical impedance
Electrical resistance
Electrical resistivity
Inductance
Power factor
–Resistance
–Resistivity
Shunt reactors

Reactions (chemical)
USE Chemical reactions

Reactions (mechanics) 2011
RT Impulses
Load distribution
–Loads (forces)
–Pressure
–Stress
–Structural analysis
Structural behavior

Reaction turbines 1307.1
BT –Hydraulic machinery
–Turbines
NT Francis turbines
RT Draft tubes
High head
–Pump turbines
–Reversible turbines
Specific speed
Turbine efficiency
Turbine parts
Turbine runners

Reactors (electric)
USE Electric reactors

Reactors (nuclear)
USE Nuclear reactors

Reaeration 0704
UF Reoxygenation
RT Aeration
Air-water interfaces
Cavitation
Dissolved oxygen
Oxygenation
Oxygen sag
Self-purification
Turbulence
Waste assimilative capacity
–Waste treatment
–Water circulation
–Water quality

Real benefits 0503
BT –Benefits
RT Real costs
Real income

Real costs 1401
BT –Costs
RT Construction costs
Engineering costs
Real benefits
Real income

Real estate
USE Real property

Real income 0503
BT –Income
RT Real benefits
Real costs

Real property 0504
UF Real estate
RT –Appraisals
Assessments
–Buildings
Capital
Commerce
–Contracts
–Land
Land acquisition
Land ownership
Land tenure

Real property (Con.)
Locations
Personal property
Property values
Right-of-way
–Value

Reamers 1309
RT Boring machines
–Cutting
–Drilling equipment
–Drills
Hand tools
–Machine tools

Reasonable use 0504.1
UF Beneficial purpose
RT Alteration of flow
Artificial use
Competing uses
Cooling water
Diversion
Domestic water
Fish management
Flood control
Hydraulic mining water
–Irrigation water
Municipal water
Natural flow doctrine
Natural use
Obstruction to flow
–Prior appropriation
–Recreation
Relative rights
–Riparian rights
Stock water
–Waste disposal
–Water pollution
–Water utilization
–Wildlife conservation

Reasoning 0510
UF Judgment
BT –Formal logic
RT Creativity
Decision making
Ideas
Learning
–Mathematical logic
Problem solving
–Psychology

Rebound 2012
BT –Mechanical properties
RT –Compression
–Consolidation
Elastic deformation
Elasticity (mechanical)
–Expansion
Hysteresis
Overconsolidation
Preconsolidated soils
Preconsolidation
Preloading
Resilience
Springs (mechanical)
Swelling

Recapturing
USE Marking techniques

Receivers 1702
BT –Instrumentation
NT Repeaters (communications)
RT Antennas
–Detectors
Radar equipment
Radio communication systems
Radio reception
Radios
–Semiconductors
–Sensors
Telephones
–Transmitters

Recent epoch 0807
BT –Cenozoic era
–Geologic time
–Quaternary period
RT Pleistocene epoch

Recession curves 0808
RT –Depletion
–Drawdown
Groundwater depletion
–Hydrographs
–Rates
River forecasting
–Runoff
Withdrawal

Recharge 0808.1
NT –Artificial recharge
Groundwater recharge
Induced infiltration
Natural recharge
Pit recharge
RT –Aquifers
–Drawdown
–Flooding
–Groundwater
Groundwater mining
Hydrologic budget
Inflow
Injection
Injection wells
Overdraft
–Precipitation (atmospheric)
Pumping tests (wells)
Recharge wells
Reclaimed water
–Saline water intrusion
–Seepage
Soil water movement
Spreading basins
Strip aquifers
Surface-groundwater relationships
–Surface waters
Waste water (pollution)
–Water reuse
–Water storage
Water supply
–Water table
–Water wells
Well yield
Zone of saturation

Recharge (groundwater)
USE Groundwater recharge

Recharge pits
USE Pit recharge

Recharge wells 0808.1
BT –Water wells
–Wells
RT –Aquifers
Deep wells
Drainage wells
–Drawdown
–Groundwater
Groundwater flow
Groundwater recharge
–Groundwater sources
Infiltration
Injection
Injection wells
Percolation
–Recharge
Salt water barriers
Spreading basins
Two-part aquifers
Underground water storage
–Water table

Reciprocal compressors
USE Compressors

Reciprocating pumps 1311
BT –Hydraulic machinery
–Machines
–Pumps
RT Centrifugal pumps
Feed pumps
High pressure
Pistons

Recirculated water 0808
BT –Water types
RT –Industrial water
–Mine water
Reclaimed water
–Water reuse
Water salvage
–Water utilization

Recirculating irrigation system
0203.1
BT –Gravity irrigation
–Irrigation systems
RT Diversion loss returns
Drainage programs
–Irrigation
–Pumping
Return flow
–Runoff
Waste water
Water recirculation
Water salvage

Recirculation (water)
USE Water recirculation

Reclaimed water 130[illegible]
BT –Water
–Water types
RT Diversion loss returns
Effervescence
Effluent reuse
–Effluents
Potable water
–Recharge
Recirculated water
Waste water (pollution)
–Water quality
Water recirculation
–Water reuse
Water salvage
Water sources
–Water treatment
Water treatment plants

Reclamation 1407
NT Land reclamation
Soil reclamation
Waste water use
–Water reuse
RT –Conservation
–Economics
–Irrigation
–Public land
Recovery
Renovating
–Salvage
Soil conservation
Water salvage

Reclamation (soil)
USE Land reclamation

Reclamation (waste water)
USE Water reuse

Reclamation (water)
USE Water reuse

Reclamation states 0504
RT Arid lands
Arizona
California
Colorado
Idaho
Kansas
Montana
Nebraska
Nevada
New Mexico
North Dakota
Oklahoma
Oregon
South Dakota
Texas
Utah
Washington
Wyoming

Recommendations 0501
RT Communication
Comparative studies
–Criteria
Decision making
Feasibility studies
–Reports

Reconnaissance
USE Surveys

Reconnaissance surveys 0802
BT –Surveys
RT Aerial photography
Aerial reconnaissance
Aerial surveys
Geological surveys
–Geologic investigations
–Geophysical prospecting
–Mapping
Photogeology
Photogrammetry
Preliminary investigations
Project planning
Site selection
Soil investigations
Soil surveys
–Surveying
Topographic surveys

Recording apparatus
USE Recording systems

Recording systems 1403
UF Apparatus (recording)
Instruments (recording)
Recording apparatus
BT –Instrumentation
NT –Borehole cameras
–Cameras
Depth recorders
Drill hole TV cameras
RT Automatic control
–Control equipment
Control systems
–Counters
Data collection systems
–Detectors
Digital recording
–Electrical equipment
–Electronic equipment
–Gages
Liquid level gages
–Logging (recording)
Magnetic tapes
–Measuring instruments
–Meteorological instruments
Neutron counters
Oscillographs
Process control
Remote control
–Sensors
Systems engineering
–Test equipment
Test machines
Thermographs

Records 0502
NT Logs
Streamflow records
RT Climatic data
Data collections
Data storage
–Documentation
Drawings
History
Hydrologic data
Plans
Publications
–Reports
Report writing
–Tables (data)
–Technical writing
Translations

Recovery 1407
RT Core drilling
Cores
–Reclamation
–Salvage
–Sampling

Recreation 0511
UF Outdoor recreation
NT Boating
Camping
Cruises
Ice skating
Skiing
Sport fishing
Surf-boarding
Surf-casting
Swimming
Water skiing
–Water sports
–Winter sports
RT –Beaches
Beneficial use
–Benefits
Economic impact
–Economics
–Fishing
Forest management
Golf courses
Hunting
Land use
Multiple purpose projects
Multiple purpose reservoirs
–National parks
–Natural resources
Non-consumptive use
Outdoors
–Parks
Playgrounds
Project benefits
Project planning
Psychological aspects
–Psychology
Public health
Reasonable use
Recreation demand
–Recreation facilities

Recreation (Con.)
Recreation wastes
–Reservoir operation
–Reservoirs
–Riparian rights
–Safety
Scenery
Scenic highways
Scuba diving
–Social aspects
Social behavior
Social impact
–Sociology
Sport fish
Swimming pools
Tourism
–Transportation
–Use rates
Water allocation (policy)
–Water policy
–Water quality
–Water utilization
Wild rivers

Recreation demand 0511
UF Demand schedule (recreation)
BT –Demand
RT –Recreation
Social needs
Social participation
Water demand

Recreation facilities 0511
BT –Facilities
NT Camp sites
Playgrounds
Swimming pools
RT –Beaches
Boat-launching ramps
Camping
Employee relations
Flood plain zoning
Fringe benefits
Golf courses
Landscaping
Marinas
Morale
–National parks
–Parks
Project benefits
–Public land
–Recreation
–Reservoirs
River basin development
Skiing

Recreation wastes 1302.1
BT –Wastes
RT Camping
–Disposal
–Recreation
–Waste disposal

Rectangular conduits 1313.1
BT –Conduits
–Conveyance structures
–Hydraulic structures
–Noncircular conduits
RT Bellmouths
Chutes
Culverts
–Entrances (fluid flow)
–Flumes

Rectangular weirs 1402
BT –Weirs
RT Approach channels
Broad-crested weirs
Cipolletti weirs
Discharge measurement
Flow measurement
Sharp crested weirs
Staff gages
Submerged weirs
Vee-notched weirs
Weir crests
Weir gages
Weir ponds

Rectification (channel)
USE Channel improvements

Rectification (river)
USE River training

Rectifiers 0905
UF Electric rectifiers
BT –Electrical equipment
–Inverters
RT Alternating current
–Converters (electrical)
Diodes
Direct current
Electron tubes
Phase control
–Semiconductors
Thyristors
Transistors

Recurrence intervals
USE Periodic variations

Red algae
USE Rhodophyta

Red clover 0204 0603.1
UF Trifolium pratense
BT –Agronomic crops
–Clovers
–Crops
–Dicots
–Field crops
–Forage legumes
–Forages
–Horticultural crops
–Legumes
–Plants (botany)
RT Hay
Silage

Redeye bass
USE Bass

Red fir trees 0206 0603.1
UF Abies magnifica
BT –Coniferous trees
–Conifers
–Gymnosperms
–Plants (botany)
–Trees
RT Coniferous forests

Redhead duck 0603.2
UF Aythya americana
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Redox potential
USE Oxidation-reduction potential

Red pine trees 0206 0603.1
UF Norway pine trees
Pinus resinosa
BT –Coniferous trees
–Conifers
–Gymnosperms
–Pine trees
–Plants (botany)
–Trees
RT Coniferous forests

Red podzolic soils 0807
BT –Acidic soils
–Pedalfers
–Podzols
–Soil groups
–Soils
–Soil types
RT Coniferous forests
Humid climates
Rain forests
Subtropic
Wet climates
Yellow podzolic soils

Red tide 0603.2
RT Dinoflagellates
Fish toxins
Marine algae
Mortality
Sea water
Water pollution sources

Reducing agents 0702 0703
UF Agents (reducing)
BT –Chemicals
RT Hydrogen
Hydrogen sulfide
Oxidizers
Reduction (chemical)

Reduction 1407
(excludes reduction (chemical))
NT Data reduction
RT –Abatement
Attenuation
Concentration
–Consolidation
Contraction
Cost savings
–Damping
Deceleration
Decontamination
–Depletion
Depreciation
Depression
–Dilution
Dissipation
Optimization
Reduction (chemical)
Retarding
–Shrinkage

Reduction (chemical) 0702 0703
BT –Chemical reactions
RT Electrolysis
Oxidation
Oxidation-reduction potential
Oxidizers
Reducing agents
–Reduction

Reeds 0603.1
BT –Grasses
–Plants (botany)
RT –Fibers
Fibers (plant)

Reefs 0806 0810
BT –Land forms
RT Atolls
Banks
–Carbonate rocks
Coral
Geomorphology
–Limestone
Sand bars
–Sedimentary rocks
–Sedimentation
Sediment concentration
Shallow water
Shoals

Reflection 1407
UF Reflectors
RT –Acoustics
Deflection
–Diffusion
–Electromagnetic waves
–Light
Light waves
Mirrors
–Optical measurement
Optics
Polarization
Reflectivity
–Refraction
Scattering
Seismic investigations
–Seismic waves
–Sound waves
Wave propagation
–Waves

Reflectivity 1407
BT –Electromagnetic properties
–Optical properties
–Physical properties
–Surface properties
RT Albedo
–Light
Light waves
Reflection

Reflectors
USE Reflection

Reforestation 0206
BT –Revegetation
–Vegetation establishment
RT Forest management
Land development
–Land management
–Natural resources

Refraction 1407
UF Refraction index
Refraction properties
NT Refraction (water waves)
Seismic refraction
RT Conduction
Deflection
–Diffraction
Distortion (optics)
Lenses (optical)
–Light
Light waves
–Optical measurement
Optics
Polarization
Reflection
Refractivity
Seismic investigations
–Seismic waves
–Waves
Wave velocity

Refraction (water waves) 2004
BT –Refraction
RT –Currents (water)
Refractivity
Shallow water
–Waves (water)

Refraction index
USE Refraction

Refraction properties
USE Refraction

Refractive index
USE Refractivity

Refractivity 2006
UF Index of refraction
Refractive index
BT –Physical properties
RT Light waves
Opacity
–Optical properties
–Refraction
Refraction (water waves)

Refractory metals 1106
BT –Metals
NT Molybdenum
Niobium
Tungsten
RT Chromium
Gold
Heat resistance (materials)
–Heat resistant alloys
Vanadium

Refrigerants 1301
RT Air conditioning
Ammonia
Brines
Coolants
Cooling systems
Dry ice
–Ice
Piping systems (mechanical)
Refrigeration
Refrigerators

Refrigeration 1301
UF Refrigeration systems
RT Air conditioning
–Compressors
–Condensation
Coolants
–Cooling
Cryogenics
Cryology
Freeze-thaw tests
–Freezing
Heat transfer
–Ice
Low temperature
Precooling
Preservation
Refrigerants
Refrigerators
Temperature control
–Temperature sensors
Ventilation
Water cooling

Refrigeration systems
USE Refrigeration

Refrigerators 1301
RT –Cooling
Cooling systems
Deicing
–Freezing
Refrigerants
Refrigeration

Refuse
USE Wastes

Refuse disposal 1302.1
BT –Disposal
RT Garbage
Garbage dumps
Incineration
Incinerators
Insect control
Sanitary engineering
Sewage disposal
Sewage treatment plants
–Sewage works
–Waste disposal

Regime 0808
RT Alluvial channels
Banks
–Beds
–Canals
Channel morphology
–Channels
Equilibrium
–Flow
Flow profiles
Graded
–Hydraulics
Regimen
Regime theory
–Slopes

Regimen 0808
RT Ablation
–Channels
Hydrologic cycle
Melting
Regime
–Stability
Streamflow regulation
–Streams

Regime theory 0808
BT –Theory
RT Alluvial channels
Alluvial streams
Canal design
–Irrigation canals
Regime
–Sediment load
–Silting
Stable channels
Stream erosion
–Streamflow

Regional analysis 1407
BT –Analysis
RT Climatic data
Hydrologic data
–Networks
–Regions

Regional flood 0808
BT –Floods
RT Design flood
Flood damage
Flood forecasting

Regions 1407
Use of a more specific term is recommended
NT Arid lands
Climatic zones
–Coastal plains
–Cold regions
–Corn belt
Drainage districts
Flood plains
–Geographical regions
–Grasslands
Humid areas
Intertidal areas
Pasture
Polar regions
Public utility districts
River basins
Rural areas
Small watersheds
Tropical regions
Tundra
–Watersheds (basins)
RT Alpine
Antarctic
Arctic
Areal
–Beaches
–Climate
Coasts
Cultivated lands
Deltas
Deserts
Fjords
Geomorphology
Mountains
Political aspects
Regional analysis
–Soil groups
Soil surveys
Subarctic
Subtropic
Synoptic analysis
Temperate
Terrain analysis
Tropic
–Valleys
–Wetlands
–Zoning

Regression analysis 1201
BT –Analysis
–Mathematical analysis
–Mathematical studies
–Statistical analysis
NT Multiple regression
RT Correlation
Correlation analysis
Correlation techniques
Curve fitting
Least squares method
–Quality control
–Statistical models
Variability

Regressive taxes 0504
BT –Taxes

Regrowth (vegetation)
USE Vegetation regrowth

Regulated flow 0808
BT –Channel flow
–Flow
–Fluid flow
–Movement
–River flow
–Streamflow
RT –Legal aspects
Natural flow
–Regulation
–Reregulation
–Water rights

Regulation 1407
NT –Flow augmentation
–River regulation
River training
Voltage regulation
RT –Abatement
Baffles
Competition
–Control
Control systems
Fish harvest
Fish management
Fluvial hydraulics
Materials control
Monitoring
Non-structural alternatives
–Operations
Regulated flow
Reservoir capacity
–Reservoir operation
Reservoir storage
–River flow
Sluices
–Valves

Regulations 0504
NT Boating regulations
Flood plain zoning
Water zoning
Well regulations
–Zoning
RT Administrative agencies
–Allocations
Building codes
–Codes
Competition
Depreciation
Financing
–Governments
–International law
Laws
Leases
–Legal aspects
Legislation
–Licenses
Litigation
–Management
Patents
–Permits
Personnel management
Proration
–Standards
–Taxes
–Waste disposal

Rehabilitation 1407
(excludes personnel)
RT –Economics
Engineering obsolescence
–Engineering structures
–Equipment
–Hydraulic structures
–Maintenance
–Obsolescence
Political aspects
Renovating
Repairing
Replacement costs
Replacing
Salvage value
–Structures

Reimbursable costs 0503 1401
BT –Costs
RT Cost sharing
Electric power costs
Hydroelectric power
–Irrigation
–Irrigation water
Municipal water
Non-reimbursable costs
Water costs

Reimbursement
USE Cost repayment

Reinforced concrete 1303.1
BT –Building materials
–Concretes
–Construction materials
–Materials
NT Prestressed concrete
RT Bonding strength
–Buildings
Composite beams
–Composite materials
–Concrete construction
Concrete linings
Concrete pavements
–Concrete piles
Concrete pipes
–Concrete structures
Concrete tanks
–Concrete technology
Deformed bars
–Engineering structures
High-bond reinforcing bars
High strength concretes
Mesh reinforcement
Polymer concretes
Precast concrete
–Reinforcement
–Reinforcing materials
–Reinforcing steels
–Roads
Slabs
Stirrups
Streets
Structural concrete

Reinforced plastic pipe 1313.3
BT –Closed conduits
–Conduits
–Pipes
–Reinforced plastics
RT Asbestos-cement pipes
Laminated plastics
–Pipelines
–Plastics
Pressure pipes

Reinforced plastics 1109
BT –Building materials
–Composite materials
–Plastics
NT Reinforced plastic pipe
RT Laminated plastics
–Laminates
–Reinforcement
–Reinforcing materials
Sandwiching

Reinforcement 1313.5
UF Reinforcing
NT Mesh reinforcement
Stirrups
RT –Bars
–Bracing
–Composite materials
–Construction materials
Deformed bars
Embedded materials
Embedded metal
–Engineering structures
–Fillers
High-bond reinforcing bars
Posttensioning
–Prestressing
–Reinforced concrete
–Reinforced plastics
–Reinforcing materials
–Reinforcing steels
Revetments
Riprap
–Stability
–Stabilization
Stiffeners
Stiffening
Structural steel
–Supports
Winding (mechanical)
–Wire

Reinforcing
USE Reinforcement

Reinforcing materials 1303
BT –Construction materials
–Materials
NT High-bond reinforcing bars
–Reinforcing steels
RT –Composite materials
–Fibers
Glass fibers
Mesh reinforcement
–Reinforced concrete
–Reinforced plastics
–Reinforcement
Stirrups
Structural steel
–Wire

Reinforcing steels 1303
BT –Construction materials
–Materials
–Metals
–Reinforcing materials
–Steel
NT High-bond reinforcing bars
RT –Bars
Deformed bars
High strength steels
Mesh reinforcement
Posttensioning
Prestressed concrete
Prestressed steel
–Prestressing
–Reinforced concrete
–Reinforcement
Spacers
Stirrups
Structural steel

Rejection 1407
NT Load rejection
RT Acceptability
–Electric powerplants
–Evaluation
–Removal

Relative consistency 0813
BT –Consistency
–Physical properties
–Soil physical properties
–Soil properties
RT –Atterberg limits
–Clays
Cohesive soils
–Finegrained soils
Index tests
Liquid limit
–Moisture content
Plasticity index
Plastic limits
–Soil tests
Stiffness
–Water content

Relative density 0813
BT –Density
–Physical properties
–Soil physical properties
–Soil properties
RT Acceptance tests
Cohesionless soils
Compaction tests
–Construction control

Relative density (Con.)
Field density
–Granular materials
–Gravels
Loose soils
Penetration resistance
Proctor curves
–Soil tests
Unit weight

Relative rights 0504.1
RT Alteration of flow
Diversion
Natural flow doctrine
Obstruction to flow
Political aspects
Reasonable use
–Riparian rights
–Water rights

Relative roughness 2004
RT Friction coefficient (hydraulic)
Friction coefficient (mechanical)
Head losses
Roughness (hydraulic)
–Surface properties

Relaxation (mechanics) 2011
NT Stress relaxation
Structural relaxation
RT Contraction
Creep
–Expansion
Posttensioning
Prestressed concrete
Prestressing
Relaxation method
Residual stress
Stress relieving
Tensile stress

Relaxation (structural)
USE Structural relaxation

Relaxation method 1201
BT –Analysis
–Methodology
RT Approximation method
–Mathematical analysis
–Mathematics
–Relaxation (mechanics)
–Structural analysis
Structural relaxation

Release
USE Discharge (water)

Reliability 1404
RT Acceptability
Accuracy
–Consistency
–Design
–Durability
Errors
Estimating
–Forecasting
Life expectancy
–Maintenance
Performance
Probability theory
–Productivity
Protective relaying
–Quality control
–Safety
Safety factors
–Sampling
Specifications
–Stability
–Standards
–Statistical analysis
Switching surges
Systems engineering
Tolerances (mechanics)
Variability
Vulnerability

Reliction
USE Accretion (legal aspects)

Relief
USE Topography

Relief valves 1311
BT –Control equipment
–Valves
RT High pressure valves
–Hydraulic valves
Pressure regulators
Vents

Relief vaults 1313.2
RT Mining engineering
Rock mechanics
Roof bolts
–Tunnels
Underground powerplants

Relief wells 0808.1
BT –Wells
RT Blowouts
Drainage wells
–Drains
Hydraulic pressure
Observation wells
Piping (erosion)
Rapid drawdown
Sand boils
Sand drains
–Seepage
Underseepage
Wellpoints

Relocation 1407
NT Highway relocation
Railroad relocation
RT Area redevelopment
Locating
Locations
Personnel management
Political aspects
–Sites
Urban renewal

Remedies 0504.1
RT –Prior appropriation
–Riparian rights

Remolded soil samples 0813
BT –Samples
RT Compacted soils
Compaction tests
Disturbed samples
–Sampling
Sensitivity
Soil compaction
Soil investigations
–Soil samplers
–Soil tests
Undisturbed samples

Remote control 1402
BT –Control
RT Automatic
Automatic control
Automation
Control systems
–Electronic equipment
Electronics
–Instrumentation
Materials control
Mechanization
–Operations
Pneumatic systems
Process control
–Recording systems
Servomechanisms
Telemetry
Voltage regulation
–Water management (applied)
–Water resources management

Remote sensing 1402
UF Aerial sensing
RT Aerial photography
Aerial reconnaissance
Aerial surveys
Airborne equipment
–Aircraft
–Cameras
–Detection
–Electromagnetic waves
–Electronic equipment
–Exploration
–Geophysics
–Instrumentation
–Mapping
Marking techniques
–Measurement
–Networks
Photogeology
Photogrammetry
–Photography
–Photometry
–Radar
–Satellites (artificial)
–Sensors
–Spectroscopy
Telemetry
Terrain analysis
Tracking techniques
–X-ray analysis

Removal 1407
NT Snow removal
RT –Clearing
Decontamination
Dehydration
Deicing
Descaling
Displacements
–Disposal
Ejection
–Extraction
–Rejection

Renegotiations
USE Negotiations

Renovating 1407
RT –Maintenance
–Obsolescence
–Reclamation
Rehabilitation
Repairing

Rent
USE Renting

Rental
USE Renting

Rental equipment 0503 1303
BT –Equipment
RT Expenditures
Leases
Renting

Renting 0501
UF Rent
Rental
RT –Costs
Economic rent
Leases
Rental equipment

Reoxygenation
USE Reaeration

Repairing 1407
BT –Maintenance
RT Autogenous healing
–Engineering structures
–Equipment
Garages
–Instrumentation
Maintenance equipment
–Operation and maintenance
Power operation & maintenance
Preventive maintenance
Rehabilitation
Renovating
Spare parts
Stop logs

Repayment 0503
RT –Contracts
–Costs
–Damages
Loans
Repayment contracts

Repayment contracts 0501
BT –Contracts
RT –Agreements
–Costs
Electric power costs
Federal government
Hydroelectric power
–Industries
–Irrigation
–Irrigation water
Municipalities
Municipal water
Negotiations
Repayment
Water costs
Water users

Repeated loading 2011
RT Cyclic loads
Dynamic loads
Fatigue (materials)
Fatigue tests
–Live loads
–Loads (forces)
Soil dynamics
–Vibration

Repeaters (communications) 1702
BT –Instrumentation
–Receivers
–Transmitters
RT Amplifiers
–Electronic equipment
Radio communication systems
Radios
Telephones

Repellents 0606
NT Fish repellents
Insect repellents
Mammalian repellents
RT –Agricultural chemicals
–Animal control
–Attractants
–Fish control agents
–Insecticides
Nuisance birds
Odor
–Organoleptic properties
–Pest control
–Pesticides
Plant growth substances
–Poisons
–Retardants

Replacement costs 1401
BT –Costs
RT Capital costs
Construction costs
Electric power costs
Equipment costs
Maintenance costs
Operation and maintenance costs
Rehabilitation
Salvage value
Sinking fund

Replacing 1407
RT –Equipment
–Maintenance
Materials failure
–Personnel
Railroad relocation
Rehabilitation

Reports 0502
BT –Documentation
NT Progress reports
RT Communication
Data collections
Logs
Project summaries
Publications
Recommendations
–Records
Report writing
Technical papers
–Technical writing

Report writing 0502
BT –Technical writing
RT Communication
–Documentation
Grammars
–Records
–Reports
Technical papers

Repose (angle of)
USE Angle of repose

Reproducibility 1407
RT Accuracy
–Consistency
Errors
Hysteresis
–Quality control
–Statistical analysis
Tolerances (mechanics)
Variability

Reproduction (biology) 0606 0616
UF Propogation (biological)
NT Fish reproduction
RT –Animal behavior
–Animal physiology
–Biology
–Breeding
Crop production
–Eggs
Fecundity
Fertility
Fish behavior
Fish hatcheries
Flowering

Reproduction (biology) (Con.)
–Genetics
Gonads
Insect behavior
Man
Plant physiology
Pollen
Seeds
Sexual maturity
–Sterilants
Sterility

Reproduction (copying) 1405
RT Etching
Microfilm
–Office equipment
–Photography
Printing

Reptiles 0603.2
BT –Animals
–Wildlife
NT Snakes
Turtles
RT Animal groupings
–Aquatic animals

Repulsion (legal aspects) 0504.1
UF Common enemy rule
RT Drainage water
Riddance (legal aspects)
Surface runoff
–Surface waters

Requirements 1407
UF Needs
NT Water requirements
RT Electric power demand
–Personnel
–Planning
Specifications
Water demand

Reregulation 0808
NT –Flow augmentation
Low-flow augmentation
–River regulation
RT Hydroelectric power
Regulated flow
Reservoir capacity
–Reservoir operation
Reservoir storage
–River flow
River training

Research and development 1406
Use of a more specific term is recommended
UF Scientific research
NT Applied research
Atmospheric research
Basic research
Foreign research
High temperature research
–Resource development
RT –Analytical techniques
Demonstration farms
Demonstration watersheds
–Design
–Economics
Experimental farms
–Exploration
–Field tests
Grants
–Investigations
–Laboratories
Laboratory equipment
Laboratory tests
Materials engineering
–Model studies
–Planning
–Projects
Prototype tests
Research equipment
Research facilities
Systems engineering
Technology
–Tests
–Theory

Research equipment 1402
BT –Equipment
RT –Computers
–Instrumentation
–Research and development
Research facilities

Research facilities 1402 1406
BT –Facilities
RT –Analytical techniques
Foreign research
–Laboratories
–Model studies
–Projects
–Research and development
Research equipment
–Test facilities

Reservation doctrine 0504.1
RT Federal jurisdiction
–Federal reservations
Federal-state water rights conflicts
–Jurisdiction
Lake fisheries
State jurisdiction
–Water rights

Reserved lands
USE Federal reservations

Reservoir capacity 1302.6
RT Capacity reduction
Detention reservoirs
Draft-storage curves
Equalizing reservoirs
Inflow
Low-flow augmentation
Multiple purpose reservoirs
Pumped storage
–Regulation
–Reregulation
Reservoir clearing
Reservoir design
–Reservoir operation
–Reservoirs
Reservoir storage
Reservoir surveys
Retention
Surcharge
–Water management (applied)
Water quality control
Water supply
Withdrawal

Reservoir clearing 1315
BT –Clearing
RT Dam construction
Pre-impoundment
Reservoir capacity
Reservoir construction
Reservoir design
–Reservoirs
Reservoir silting
Reservoir sites
Reservoir storage
Reservoir surveys
Stripping

Reservoir construction 1315
BT –Construction
RT Dam construction
–Dams
–Excavation
–Lakes
–Ponds
Pre-impoundment
Reservoir clearing
Reservoir design
–Reservoirs
Reservoir sites
–Tanks (containers)

Reservoir design 1302.6
BT –Design
RT –Dams
Flood estimate
Flood forecasting
Flood routing
Freeboard
Impervious blankets
Reservoir capacity
Reservoir clearing
Reservoir construction
Reservoir evaporation
Reservoir leakage
–Reservoir operation
–Reservoirs
Reservoir silting
Reservoir sites
Reservoir storage
Reservoir surveys

Reservoir evaporation 1302.6
BT –Evaporation
RT Evaporation control
Pan evaporation
Reservoir design
–Reservoir operation
–Reservoirs
Thermal gradient
Water conservation
Water level fluctuations
–Water loss

Reservoir fisheries 0603.2
BT –Fisheries
RT Bait fishing
–Cold-water fish
Cold-water fishing
Lake fisheries
–Post-impoundment
Pre-impoundment
–Reservoirs

Reservoir leakage 1302.6
BT –Leakage
RT Flexible linings
Grout curtains
–Grouting
Impervious blankets
Impervious linings
Impervious membranes
Reservoir design
–Reservoirs
–Seepage
Seepage losses
Underseepage
Water level fluctuations
–Water loss
Watertight

Reservoir management
USE Reservoir operation

Reservoir operation 1302.6
UF Reservoir management
BT –Operations
NT Selective level releases
RT Competing uses
Density-flow
Detention reservoirs
Draft-storage curves
Drawdown curves
–Electric power
Fish management
Flood control
–Irrigation water
Low-flow augmentation
Multilevel outlets
Navigation
Operating criteria
–Operation and maintenance
Pumped storage
Rapid drawdown
–Recreation
–Regulation
–Reregulation
Reservoir capacity
Reservoir design
Reservoir evaporation
–Reservoirs
Reservoir storage
Reservoir yield
River forecasting
–Routing
–Safety
Sediment control
Synthetic hydrology
Thermal gradient
Water allocation (policy)
Water control
Water costs
Water distribution (applied)
Water level fluctuations
–Water management (applied)
–Water resources management
Water shortage
Water supply
Water supply systems
–Wildlife management

Reservoirs 1302.6
BT –Bodies of water
–Impoundments
–Standing waters
–Surface waters
–Water
NT Afterbays
Detention reservoirs
Equalizing reservoirs
Evaporation reservoirs
Farm ponds
Forebays
Multiple purpose reservoirs
RT –Aquatic habitats
Area capacity curves
Backwater
Backwater profiles
Calefaction
Concrete tanks
–Dams
Dead storage
Density stratification
–Depletion
Domestic water
–Drawdown
Early impoundment
–Electric power
Epilimnion
Fish management
Fish passages
Flexible linings
Flood control
Flood routing
Hydraulic engineering
–Hydraulics
–Hydraulic structures
Hypolimnion
Impounded waters
Inflow
–Intake structures
Intake towers
–Irrigation water
–Lagoons (ponds)
–Lakes
–Limnology
Meromixis
–Ponds
–Post-impoundment
Power head
Pre-impoundment
–Recreation
–Recreation facilities
Reservoir capacity
Reservoir clearing
Reservoir construction
Reservoir design
Reservoir evaporation
Reservoir fisheries
Reservoir leakage
–Reservoir operation
Reservoir silting
Reservoir sites
–Reservoir stages
Reservoir storage
Reservoir surveys
Reservoir yield
–Resource conservation
–Routing
–Runoff
Sedimentation rates
–Seepage
–Silting
Stock water
–Storage
–Stratification
Sudden enlargements
–Tanks (containers)
Thermocline
Turbidity currents
Turnovers
Underground water storage
Usable storage
–Water
–Water levels
Water sources
Water surface
–Water tanks
–Waterways
–Wildlife conservation
Withdrawal

Reservoirs (oil)
USE Oil reservoirs

Reservoir silting 1302.6
BT –Silting
RT Bed load
Capacity reduction
Deposition
Desilting
Reservoir clearing
Reservoir design
–Reservoirs
Reservoir surveys
–Sedimentation
Sediment concentration
Sediment control
Sediment yield
–Silts

Reservoir sites 1302.6
BT –Sites
RT –Basins
Equalizing reservoirs
Locations

Reservoir sites (Con.)
Potential hydropower
Pre-impoundment
Reservoir clearing
Reservoir construction
Reservoir design
—Reservoirs
Reservoir surveys
Site selection

Reservoir stages 1302.6
UF Stages (reservoir)
NT Early impoundment
Late impoundment
—Post-impoundment
Pre-impoundment
RT —Ecosystems
—Impoundments
—Lake stages
—Reservoirs
—Succession

Reservoir storage 1302.6
UF Storage reservoirs
BT —Storage
—Water storage
RT Area capacity curves
Dead storage
—Depletion
Detention reservoirs
Draft-storage curves
Equalizing reservoirs
Inflow
Low-flow augmentation
Multiple purpose reservoirs
Pumped storage
—Regulation
—Reregulation
Reservoir capacity
Reservoir clearing
Reservoir design
—Reservoir operation
—Reservoirs
Reservoir surveys
Retention
Trap efficiency
Waste dilution
—Water management (applied)
Water quality control
Water supply
Withdrawal

Reservoir surveys 1302.6
BT —Surveys
RT Area capacity curves
Backwater
—Dams
Dead storage
—Electric power
Flood control
Reservoir capacity
Reservoir clearing
Reservoir design
—Reservoirs
Reservoir silting
Reservoir sites
Reservoir storage
Sediment sampling
Site selection
Sounding
Triangulation nets

Reservoir yield 1302.6
BT —Water yield
RT —Discharge (water)
Flood routing
—Hydrology
—Reservoir operation
—Reservoirs
—Routing
Safe yield
Water supply

Residences 1313.4
UF Houses
BT —Buildings
—Engineering structures
RT Architecture
Building codes
—Building materials
City planning
—Construction materials
Erection
—Facilities
Roofs
—Walls
Wind pressure

Residual soils 0807
BT —Earth materials
—Materials
—Soils
—Soil types
RT Detritus
—Rocks
Soil formation
Weathering

Residual stress 2012
BT —Mechanical properties
—Stress
RT Creep
Intrinsic pressure
Machining
Preconsolidation
—Relaxation (mechanics)
—Strain
Strain hardening
Stress relaxation
Stress relieving

Resilience 2012
BT —Mechanical properties
RT —Deformation
Elasticity (mechanical)
Rebound
Springs (mechanical)

Resins 1107
NT Alkyd resins
Epoxy resins
Nylon
Phenolic resins
—Polyester resins
Polyethylene
Polystyrene
Polysulfide resins
Polyurethane resins
Polyvinyl chloride
—Styrene resins
—Synthetic resins
—Thermoplastic resins
—Thermosetting resins
—Vinyl resins
RT Binders
—Bitumens
—Bituminous materials
Lacquers
Mastics
Pitch (materials)
—Plastics
Polymers
Varnishes

Resistance 1407
NT Cold resistance
Disease resistance
Drought resistance
Electrical resistance
Flow resistance
Insect resistance
Penetration resistance
Pressure drag
Shear drag
Shear resistance
Sliding resistance
—Tolerances (plant)
Uplift resistance
RT Aging (physical)
—Biological properties
Compatibility
Competition
—Conductivity
Crop response
Cytological studies
Drought tolerance
—Durability
Energy losses
—Environmental effects
Flow around objects
—Friction
Friction coefficient (hydraulic)
Friction coefficient (mechanical)
Friction tests
—Genetics
Lodging
Moody resistance diagrams
Persistence
—Physical properties
Plant breeding
—Plant growth
Plant physiology
Reactance
—Resistance coefficients
—Resistivity
Retardance
—Retardants
Roughness (hydraulic)
Roughness coefficient
Salt tolerance
Selectivity
Shunt resistors
—Stability
—Strength
Strength of materials
—Stress
—Succession
Wetting and drying tests

Resistance coefficients 1407
BT —Coefficients
NT Friction coefficient (hydraulic)
Friction coefficient (mechanical)
RT —Drag
Energy losses
Fluid friction
—Resistance
—Surface properties

Resistance networks 1407
BT —Analog models
—Models
—Model studies
—Networks
RT Electrical resistance
Groundwater movement
Junctions
—Seepage
—Unsteady flow

Resistivity 1407
BT —Electrical properties
—Physical properties
NT Earth resistivity (electrical)
Soil resistivity
RT Borehole geophysics
—Conductivity
Electrical impedance
Electrical resistance
Electrical studies
Electrical well logging
Reactance
—Resistance
Rock properties

Resistivity method
USE Resistivity surveys

Resistivity surveys 0807
UF Resistivity method
BT —Geophysical prospecting
—Surveys
RT Earth resistivity (electrical)
—Electrical logging
—Electrical prospecting
Electrical resistivity
Electrical well logging
—Electrodes
Geophysical logging
—Geophysics
Seismic investigations
Soil investigations
—Well logging

Resistors 0901
UF Electric resistors
NT Shunt resistors
Thermistors
Variable resistors
RT —Electric conductors
Electric reactors
Potentiometers
—Semiconductors
—Voltage dividers

Resonance 1407
BT —Physical properties
RT —Acoustics
—Damping
—Frequency
Harmonics
—Mechanical properties
—Mechanical waves
Natural frequency
Oscillations
—Resonators
—Sound waves
Ultrasonics
—Vibration
—Waves

Resonators 1402
NT Tuning forks
RT —Acoustic equipment
—Frequency
Frequency stabilizers
Natural frequency
Oscillators
Resonance

Resource allocation 0503
RT —Economics
Labor supply
Manpower
—Resource development
—Resources

Resource conservation 1407
BT —Conservation
NT Fish conservation
Soil conservation
Water conservation
—Wildlife conservation
RT Adoption of practices
—Cultivation
Demonstration farms
Demonstration watersheds
—Economics
—Erosion control
Experimental farms
Forest management
Grassed waterways
—Grasslands
—Land management
Land reclamation
Land resources
Limiting factors
—National parks
—Natural resources
—Parks
Pasture management
Preservation
Project purposes
Range management
Ranges
—Reservoirs
—Resources
Riparian plants
Scenery
Shelterbelts
Water resources development
—Weather modification

Resource development 1302
BT —Research and development
NT Land development
Water resources development
RT Area redevelopment
Economic growth
—Environmental tests
—Facilities
Manpower
Political aspects
Resource allocation
—Resources

Resource mix 0503
RT Economic efficiency
—Resources

Resources 1407
NT Human resources
Hydroelectric resources
Land resources
—Natural resources
—Water resources
RT Area redevelopment
—Conservation
—Economics
—Facilities
Logistics
—Personnel
Resource allocation
—Resource conservation
—Resource development
Resource mix
Water resources development
Water supply

Respiration 0616
RT —Animal physiology
Carbon cycle
Circulation (animals)
—Metabolism
—Oxygen demand
Oxygen requirements
Plant physiology
Resuscitation
Stomata
Sweat
Transpiration
Turgidity
Water requirements

Respirators
USE Resuscitation

Subject Category Index numbers follow main terms; (—) = See main entry for narrower terms.

Responsibilities 0509
RT –Administration
Human behavior
Job analysis
–Management
Organization charts
Performance
Personnel management
–Policies
Supervision

Resuscitation 0605
UF Artificial respiration
Respirators
RT Drowning
First aid
Respiration

Retaining walls 1313.5
BT –Engineering structures
–Walls
NT Anchored bulkheads
Crib walls
RT Abutments
Active pressure
At rest pressure
Backfills
–Barriers
Bins
Breakwaters
–Bulkheads
Buttresses
Cantilevers
–Check structures
–Coastal structures
–Concrete structures
Cribbing
Dikes
–Earth pressure
–Embankments
External friction
Horizontal loads
–Lateral forces
Passive pressure
Rankine pressure
Revetments
Sea walls
Sheeting
Sheet piling
Shore protection
Slope stabilization
Soil pressure
Stream improvement

Retardance 0808
UF Impedance (hydraulic)
RT Adoption of practices
–Conductivity
–Control
Grassed waterways
–Resistance
Roughness (hydraulic)
Vegetation effects

Retardants 1107
UF Suppressants
NT Evaporation retardants
RT Accelerating (chemistry)
–Admixtures
Catalysts
Chemcontrol
Inhibitors
Neutralization
Odor
Preservation
–Repellents
–Resistance
–Retarding agents
–Surfactants

Retarding 1407
RT Accelerating (chemistry)
–Acceleration (physics)
Attenuation
Brakes
Capping
Closing
Constrictions
Contraction
–Damping
Deceleration
Fouling
Hysteresis
Inhibition
Neutralization
Obstruction
–Reduction
–Retarding agents

Retarding agents 1303.1
UF Agents (retarding)
BT –Additives
–Admixtures
NT Set-retarding agents
RT Catalysts
–Concrete additives
Concrete control
Concrete mixes
–Concrete technology
Curing compounds
False set
Inhibitor
Initial set
–Retardants
Retarding
Setting (materials)
Soil stabilization
Soil treatment
Solidification

Retention 0808
RT Capillary action
Field capacity
–Groundwater
Hydrologic equation
Infiltration
Reservoir capacity
Reservoir storage
–Soil moisture
–Soil water
–Storage
Trap efficiency
–Water storage
Wilting point

Retention dams 1313.1
BT –Dams
–Hydraulic structures
RT Check dams
–Debris barriers
Flood control
–Irrigation water
–Storage

Return (monetary) 0503
UF Yield on investment
NT Marginal return
Return to scale
RT Depreciation
–Income
Investment
Monetary benefits
–Profit
Value engineering

Return flow 0808
UF Irrigation waste water
Return water
Waste water (irrigation)
BT –Flow
–Fluid flow
–Irrigation water
–Movement
–Water
RT Consumptive use (water)
Diversion loss returns
Duty of water
–Furrow irrigation
–Groundwater
Rates of application
Recirculating irrigation system
–Seepage
–Streamflow
–Surface irrigation
–Water loss
Water pollution sources
–Water reuse
Water salvage
Water sources

Return to scale 0503
BT –Return (monetary)
RT –Benefits
–Costs
Diseconomies of scale
–Economics
Economies of scale
–Income

Return water
USE Return flow

Revegetation 0205
NT Reforestation
RT Range management
Vegetation
–Vegetation establishment
Vegetation regrowth

Revenues 0503
RT Appropriations (fiscal)
Assessments
Budgeting
Earnings
Federal government
Financing
–Governments
–Income
Interest (finance)
–Profit
Royalties
Tariff
–Taxes

Reverse filters
USE Inverted filters

Reverse osmosis 1302.5
BT –Chemical properties
–Diffusion
–Membrane processes
–Osmosis
–Separation
–Separation techniques
–Transport phenomena
RT –Demineralization
–Desalination
Desalination processes
Laminar flow
Liquid wastes
–Membranes
Osmotic pressure
–Pressure
Semipermeable membranes
–Sewage treatment
Tertiary treatment

Reversible turbines 1307.1
BT –Hydraulic machinery
–Turbines
NT Deriaz pump turbine
–Pump turbines
RT Draft tubes
High head
Pumped storage
–Reaction turbines
Specific speed
Turbine efficiency
Turbine runners

Revetments 1313.1
RT Abutments
Aprons
Bank erosion
Bank protection
Banks
Bank stabilization
Breakwaters
–Bulkheads
Channel erosion
Channel protection
–Dams
Dikes
–Embankments
–Erosion control
Gabions
Levees
–Reinforcement
–Retaining walls
Riprap
–Rivers
River training
Sea walls
Sheet piling
Shore protection
Slabs
Slope protection
Slope stabilization
Stream improvement
–Streams
Stream stabilization
Wave run-up

Reviews 0502
(partial and complete
state-of-the art reviews)
UF State of the art studies
RT Bibliographies
Data collections
–Documentation
History
Publications
Translations

Reynolds number 2004
RT –Boundary layer
Boundary shear
Chezy equation
–Critical flow
Darcy Weisbach equation
–Density
Dimensional analysis
–Discharge (water)
Discharge coefficients
–Flow
–Fluid flow
Froude number
–Hydraulic models
–Hydraulics
Laminar flow
Mannings equation
Mixing length
Moody resistance diagrams
Newtonian flow
Scale effect
–Similitude
Steady flow
Transient flow
Transition flow
Turbulence
Turbulent flow
–Velocity
Viscosity
Viscous flow
Wall friction

Rhacochilus vacca
USE Pile perch

Rheological models
USE Rheology

Rheology 2004
UF Rheological models
RT Creep
–Deformation
–Flow
–Fluids
–Mechanical properties
Non-newtonian flow
–Physical properties
–Plasticity
Thixotropy
Viscoelasticity
Viscosity

Rheostats
USE Variable resistors

Rheotropism 0616
BT –Tropisms
RT –Currents (water)

Rhizic water
USE Soil moisture

Rhizomes 0603.1
RT Plant morphology
Root systems
–Vegetation establishment

Rhizosphere 0606
RT –Ecology
Forestry
Forest soils
Microenvironment
–Nitrogen fixing bacteria
Plant growth substances
Root development
Root zone
–Soil bacteria
Soil environment
Soil fungi
Soil microbiology
–Soil microorganisms

Rhode Island 0806
BT –Geographical regions
–States (geographical)

Rhodophyta 0603.1
UF Algae (red)
Red algae
BT –Algae
–Aquatic algae
–Aquatic life
–Aquatic microorganisms
–Aquatic plants
–Microorganisms
–Plants (botany)
–Seston

Rhyolite 0807
BT –Acidic rocks
–Crystalline rocks
–Igneous rocks
–Rocks

Rhyolite (Con.)
–Volcanic rocks
RT Andesite
Basalt
Granite
Lava
Perlite
Pumice

Ribs 1313
RT –Bracing
Roof supports
Shoring
Stiffeners
Stiffening
Tunnel linings
Tunnel supports

Rice 0204 0603.1
UF Oryza sativa
BT –Agronomic crops
–Cereal crops
–Crops
–Field crops
–Grasses
–Monocots
–Plants (botany)
RT Aquatic soils
–Aquatic weeds
Fish farming
Grains (crops)
–Rooted aquatic plants

Rice-fish rotations
USE Fish farming

Richards apparatus 1402
RT Haines apparatus
Tensiometers

Riddance (legal aspects) 0504.1
RT Drainage water
Repulsion (legal aspects)
Surface runoff
–Surface waters

Right-of-way 1407
RT Access roads
Access routes
–Agreements
Boundaries (property)
Cadastral surveys
Condemnation
–Easements
Eminent domain
–Field investigations
Highway engineering
Highway relocation
–Land
Land acquisition
Land appraisal
Land ownership
Public rights
Public works
Railroad relocation
Real property
Site selection
–Surveying
–Surveys

Rigid boundaries 1407
UF Fixed boundaries
BT –Boundaries (surfaces)
RT Boundary conditions
–Boundary layer
Boundary shear
Finite element method
Fixed-bed models
–Rigid foundations
Rigidity
Rigid linings
–Rigid pavements

Rigid footings
USE Rigid foundations

Rigid foundations 1313.6
UF Rigid footings
BT –Foundations
NT Rock foundations
RT Backfills
Bearing values
Building codes
–Construction
Differential settlement
Displacements
Flexible foundations
Grillage footings
Rigid boundaries
–Rocks
–Settlement (structural)
Spread footings
Spread foundations

Rigid frames 1313.5
BT –Frames
RT –Bracing
Fixed structures
–Joints (connections)
–Loads (forces)
Space frames
–Structural analysis
–Structural members
–Trusses

Rigidity 2012
BT –Mechanical properties
RT Compressibility
Elasticity (mechanical)
Flexibility
Flexural strength
Modulus of elasticity
Rigid boundaries
Roughness (hydraulic)
Stiffness
Strength of materials
Water properties

Rigid linings 1313.1
BT –Linings
RT Canal linings
Concrete-lined canals
Concrete linings
–Concretes
Impervious linings
Pervious linings
Rigid boundaries
Steel linings
Tunnel linings

Rigid pavements 1302.4
BT –Pavements
NT Concrete pavements
RT Aprons
–Concrete construction
Concrete linings
–Concretes
Flexible linings
Flexible pavements
Rigid boundaries
Runways

Rigid pipes 1303
BT –Closed conduits
–Conduits
–Pipes
RT Asbestos-cement pipes
Cast-in-place pipes
Concrete pipes
Copper tubing
Corrugated metal pipe
Metal pipes
–Rigid tubing
Steel pipes

Rigid tubing 1311
BT –Closed conduits
–Conduits
–Tubes
NT Capillary tubes
Corrugated metal pipe
Draft tubes
Metal pipes
RT Copper tubing
Flexible tubing
Piping systems (mechanical)
Rigid pipes

Rill erosion 0807
BT –Erosion
RT Channel erosion
–Channels
Gully erosion
Soil erosion

Rime 0402
BT –Ice
RT Dew
–Freezing
Frost
–Meteorology

Ring-necked duck 0603.2
UF Aythya collaris
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Rings 1409
NT Seal rings
Slip rings
Stay rings
RT Hoop tension
O-ring seals
Stiffeners

Ring stiffeners 1311
RT Discharge lines
Penstocks
–Pipelines

Riparian land 0504.1
UF Littoral proprietorship
RT Banks
–Riparian rights
Severance

Riparian plants 0603.1
RT –Amphibious plants
Banks
Brush control
Cattails
–Conservation
Consumptive use (water)
–Evapotranspiration
Johnsongrass
–Phreatophytes
–Resource conservation
–Rooted aquatic plants
Seepwillow
Tamarisk
Transpiration
–Weed control
–Weeds
–Wildlife management
Willow trees

Riparian rights 0504.1
BT –Water rights
NT Natural flow doctrine
RT Alteration of flow
Artificial use
Banks
–Civil law
Competing uses
Cooling water
Diversion
Domestic water
Dual system
Fish management
Hydraulic mining water
–Irrigation water
Laws
–Legal aspects
Legislation
Litigation
Mill dams
Municipal water
Natural use
Navigation
Obstruction to flow
Ownership of beds
Prescriptive rights
–Prior appropriation
Pueblo water rights
Reasonable use
–Recreation
Relative rights
Remedies
Riparian land
Riparian waters
Severance
Stock water
Usufructuary right
–Waste disposal
–Water law
–Water pollution
Watersheds (divides)
Water sources
–Water utilization
–Wildlife conservation

Riparian water loss 0808
BT –Losses
–Water loss
RT Banks
–Beds
–Evaporation
–Evapotranspiration
–Seepage
Transpiration

Riparian waters 0808
RT –Riparian rights

Rip currents 0803
BT –Currents (water)
–Ocean currents
RT Coasts
Ocean beaches
–Waves
–Waves (water)

Rippers
USE Scarifiers

Ripping 1315
RT –Cutting
–Excavation
Fractures (geology)
Hardness
Joints (geology)

Ripple marks 0807
RT –Currents (water)
–Erosion
River beds
Sand waves
–Sedimentary structures
–Shores
–Surface properties
–Surfaces
–Waves
–Waves (water)
–Wind (meteorology)

Ripples
USE Waves (water)

Riprap 1303
BT –Construction materials
RT Aprons
Armoring (streambed)
Bank protection
Banks
Bank stabilization
Bedding materials
–Blankets
Breakwaters
Channel improvements
Channel protection
Cobbles
Crushed stone
Dam facings
–Earth dams
–Embankments
–Engineering structures
–Erosion control
Freeze-thaw tests
–Linings
Plunge basins
Quarries
–Reinforcement
Revetments
River training
Rock blankets
–Rocks
Rubble
Selected materials
Shore protection
Slope protection
Slope stabilization
Stones
Stream stabilization
Wave action
Wave run-up

Risks 0503
UF Uncertainty
RT Acceptability
Earnings
Economic efficiency
Economic life
–Economics
Estimating
–Forecasting
Game theory
–Insurance
Insurance costs
–Legal aspects
–Management
Marginal benefits
Marginal income
–Mathematical models
–Operations research
–Profit

River bank protection
USE Bank protection

River basin commissions 0504
RT Interstate commissions
River basin development
River basins

River basin development 1302
UF Basin-wide development
River basin planning
RT Drainage systems
Fish and wildlife
Flood control
Flood plain zoning
Hydroelectric power
–Irrigation
Municipal water
Optimum development plans
–Planning
Potential hydropower
–Public utilities
–Recreation facilities
River basin commissions
River basins
–Transportation
–Utilities
–Water resources
Water resources development
Watershed management
Water supply

River basin planning
USE River basin development

River basins 0808
BT –Land forms
–Regions
–Watersheds (basins)
RT –Basins
Catchments
–Drainage
Drainage basins
Flood control
Flood forecasting
–Hydrology
Interbasin water transfers
Large watersheds
Peak runoff
Potamology
–Precipitation (atmospheric)
River basin commissions
River basin development
River systems
–Runoff
–Streamflow
Surface runoff
–Surface waters
–Valleys
Water conservation
–Water table

River beds 0808
BT –Beds
–Land forms
–Streambeds
RT Banks
Beds under water
Channel beds
–Channels
Dam foundations
Damsites
Dry beds
Movable bed models
Navigable rivers
Ripple marks
–Rivers
–Sediments
Streambed profiles
Stream channels

River channel control
USE River training

River channel improvements
USE River training

River channels
USE Stream channels

River closures 1312.1
RT Cofferdams
–Construction
–Dams
Diversion dams
Diversion tunnels
Diversion works
–Rivers

River currents 0808
UF Currents (river)
BT –Flow
–Movement
RT Bank erosion
Channel erosion
Current meters
Flood forecasting
Flood routing
–Fluid flow
–Hydrology
Open channel flow
–Rivers
River training
–Runoff
Stream erosion
–Streamflow
Stream gages
–Streams
Velocity distribution

River flow 0808
BT –Channel flow
–Flow
–Fluid flow
–Movement
–Streamflow
NT Low flow
Natural flow
Regulated flow
RT Converging flow
Flood plains
–Floods
Flow duration
Flow patterns
Fluvial hydraulics
High velocity
–Hydraulics
Low-flow augmentation
Movable bed models
Perennial streams
–Regulation
–Reregulation
River forecasting
–Rivers
River training
–Runoff
Selective level releases
Water stage recorders

River forecasting 0808
BT –Forecasting
–Water supply forecasting
RT Antecedent precipitation
Flood control
Flood forecasting
Flood routing
Fluvial hydraulics
Hydrograph analysis
Hydrologic data
Hydrometeorology
–Precipitation (atmospheric)
–Rainfall
Recession curves
–Reservoir operation
–River flow
–River regulation
–Rivers
–Runoff
Stage-discharge relations
Streamflow forecasting
Unit hydrographs
–Warning systems
Water supply

River hydraulics
USE Open channel flow

River improvements
USE River training

River meandering
USE Stream meandering

River pollution
USE Stream pollution

River rectification
USE River training

River regulation 0808
BT –Regulation
–Reregulation
NT River training
RT Backwater profiles
–Dams
Flood control
Flood forecasting
Fluvial hydraulics
Hydraulic engineering
–Hydrographs
–Hydrology
Levees
Low-flow augmentation
Project benefits
River forecasting
–Rivers
–Runoff
Stable channels
Water control

Rivers 0808
(large streams)
BT –Bodies of water
–Land forms
–Running waters
–Streams
–Surface waters
–Water
–Waterways
NT Interstate rivers
Natural streams
Navigable rivers
Wild rivers
RT Backwater profiles
Banks
Braiding
Calefaction
Channel beds
Deltas
Drainage systems
Estuaries
Fixed-bed models
Flood plains
–Fluvial morphology
Geomorphology
Groundwater hydrology
Harbors
Headwaters
Ice breakup
Ice jams
Inflow
–Inland waterways
Interfluves
Large watersheds
Meanders
Non-navigable waters
Perennial streams
Potamology
Reaches (distance)
Revetments
River beds
River closures
River currents
–River flow
River forecasting
–River regulation
River systems
River training
–Runoff
Stream channels
Tributaries
–Valleys
–Water
Water plans
–Water resources
–Watersheds (basins)
Watersheds (divides)
Water surface
–Water surface profiles

River systems 0808
RT Drainage systems
–Fluvial morphology
River basins
–Rivers
Synthetic hydrology
Tributaries
–Watersheds (basins)

River traffic
USE Water transportation

River training 1302.3
UF Channel control (river)
Channel rectification
Rectification (river)
River channel control
River channel improvements
River improvements
River rectification
Stream training
BT –Regulation
–River regulation
RT Bank erosion
Bank stabilization
Bypasses
Channel erosion
Channel improvements
Cutoffs
Dikes
Dredging
–Erosion control
Fluvial hydraulics
Groins (structures)
Jacks (structural shape)
Levees
Meanders
–Reregulation
Revetments
Riprap
River currents
–River flow
–Rivers
Stable channels
Stream stabilization
Water control

River transportation
USE Water transportation

River valley
USE Stream valley

Riveted joints 1305
BT –Joints (connections)
RT Bolted joints
Building codes
Butt joints
Lap joints
–Mechanical fasteners
Pipe joints
Riveting
–Steel plates
Steel structures
Welded joints
–Welds

Riveting 1308
RT Building codes
Gusset plates
–Joints (connections)
Plate girders
Riveted joints
–Steel plates
Steel structures

Roadbanks 1302.4
BT –Embankments
RT Bank protection
Banks
Bank stability
Bank stabilization
Cuts
Cut slopes
–Earthworks
–Erosion control
–Fills
Graded
Grading (earthwork)
Highway engineering
–Highways
Lespedeza
Paving
Railroads
Road construction
[illegible]n
[illegible]
[illegible]otection
Slopes
–Slope stability
Turf
–Turf grasses
–Vegetation establishment

Road construction 1315
BT –Construction
RT Asphalt plants
Base courses
Bituminous concretes
Bridge construction
–Concrete construction
–Construction control
Cuts
–Earth handling equipment
–Excavation
–Fills
Graded
Grading (earthwork)
Highway engineering
Highway relocation
–Highways
Overhaul
–Pavements
Paving
Roadbanks
Road design
–Roads
Rock crushers
Rolled fills
–Surfacing

Road design 1302.4
BT –Design
RT Alinement

Road design (Con.)
–Asphalts
Base courses
Bridge design
–Concretes
–Construction materials
–Curves
Cuts
Cut slopes
–Fills
Flexible pavements
Highway engineering
–Highways
Horizontal curves
–Pavements
Roadbanks
Road construction
–Roads
Trigonometry

Roads 1302.4
NT Access roads
Access routes
–Highways
Scenic highways
Streets
RT Alinement
–Asphalt cement
Automobiles
Base courses
Berms
–Bituminous cements
Bituminous concretes
Borrow materials
Borrow pits
Bridge decks
Cationic asphalt emulsions
–Concretes
Culverts
Cutback asphalts
Dam crests
–Embankments
Flexible pavements
Highway bridges
Highway engineering
Horizontal curves
Landscaping
–Pavements
Paving
–Reinforced concrete
Roadbanks
Road construction
Road design
Scenery
Snow removal
Subbase
Subgrade
Trafficability
–Transportation
–Tunnels
Urbanization
–Vegetation establishment
Washouts

Roanoke bass 0603.2
UF Ambloplites cavifrons
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Freshwater fish
–Pan fish
–Perches
–Sunfishes
–Wildlife
RT Bass

Robinia pseudoacacia
USE Black locust trees

Roccus americanus
USE White perch

Roccus chrysops
USE White bass

Roccus mississippiensis
USE Yellow bass

Roccus saxatilis
USE Striped bass

Rock alteration 0807
RT –Chemical degradation
Rock breakage
Rock competency
–Rocks
Weathering

Rock bass 0603.2
UF Ambloplites rupestris
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Freshwater fish
–Pan fish
–Perches
–Sunfishes
–Wildlife
RT Bass

Rock blankets 1313.1
BT –Blankets
–Pervious blankets
RT –Dams
–Earth dams
Earth linings
–Erosion control
Gravel blankets
Pervious linings
Riprap
Rock fills
–Rocks
Rubble
Self-spillway dams
Slope protection

Rock bolts 1305
BT –Bolts
–Fasteners
–Mechanical fasteners
NT Roof bolts
RT Anchor bolts
–Anchors
–In situ rock
Posttensioning
–Pull tests
Railroad tunnels
Rock competency
Rock excavation
Rock foundations
Rock mechanics
Rock pressures
Shafts (mining)
Structural behavior
–Supports
–Tunnel construction
Tunnel design
Tunneling
Tunnel pressures
–Tunnels
Tunnel supports
Underground powerplants
–Underground structures
Unlined tunnels
Vehicular tunnels
–Water tunnels (conveyance)

Rock breakage 1315
RT –Blasting
Cleavage
Crushing
–Drilling
–Explosive excavation
Fragmentation
Grinding
Nuclear excavation
Overbreak
Presplit blasting
Quarrying
Rapid excavation
Rock alteration
Rock crushers
Rock excavation
Rock mechanics
Rock noise
–Rocks
Spalling
–Tunnel construction
Tunneling

Rock competency 0807.1
RT –Bearing capacity
Bearing strength
Flat jack method
Foundation bearing tests
Foundation failure
Foundation rocks
Jacking tests
Rock alteration
–Rock bolts
Rock density
Rockfalls
Rock foundations
Rock mechanics
Rock noise
Rock pressures
Rock properties
–Rocks
Rockslides
Rock slope stability
Tunnel failure
Tunneling
–Tunnels
Tunnel supports
Unlined tunnels

Rock crushers 1303
BT –Construction equipment
–Earth handling equipment
–Equipment
RT Crushed stone
Crushing
Quarrying
Road construction
Rock breakage
Rock excavation

Rock density 0807.1
BT –Density
–Physical properties
RT –Aggregates
In place density
Rock competency
Rock properties
–Rocks
Rock slope stability
Specific gravity
Specific weight
Unit weight
–Weight

Rockets 1907

Rock excavation 1315
BT –Excavation
RT –Blasting
Charges (explosives)
Detonation
Drill holes
–Drilling equipment
–Earthworks
–Excavators
Explosive construction
–Explosive excavation
–Explosives
High explosives
–In situ rock
Nuclear excavation
Overbreak
Overexcavation
Presplit blasting
Quarries
Quarrying
Rapid excavation
–Rock bolts
Rock breakage
Rock crushers
Rock foundations
Rock properties
–Rocks
Rock slope stability
Roof bolts
Smooth wall blasting
–Tunnel construction
Tunneling
Tunneling machines
Underground powerplants
–Underground structures

Rockfalls 0807
RT –In situ rock
–Landslides
Rock competency
Rock mechanics
Rock pressures
–Rocks
Rockslides
Rock slope stability
Talus
Tunnel linings
Weathering

Rockfill dams 1313.1
BT –Dams
–Earthworks
RT Cofferdams
Dam design
–Earth dams
–Embankments
–Fills
Gravity dams
Phreatic lines
Rock fills
Rock mechanics
–Rocks
Rock slope stability
Transition zones
Zoned embankments

Rock fills 1313
BT –Fills
RT Backfills
–Construction
–Earth dams
–Earthfill
Rock blankets
Rockfill dams
–Rocks
Rockslides
Rock slope stability
Rolled fills

Rock flour 0807
UF Glacial flour
BT –Earth materials
–Fine-textured soils
–Geologic deposits
–Materials
–Soils
–Soil types
RT Crushed stone
–Finegrained soils
–Fines
–Glacial deposits
Glaciation
–Rocks
–Silts

Rock foundations 1313.6
BT –Foundations
–Rigid foundations
RT –Bearing capacity
Bearing strength
–Blasting
–Blasts
Dam foundations
–Drilling
–Explosive excavation
Flat jack method
Foundation bearing tests
Foundation investigations
Foundation modulus
Foundation rocks
–Grouting
–In situ rock
Jacking tests
Overbreak
Overexcavation
–Rock bolts
Rock competency
Rock excavation
Rock mechanics
Rock properties
–Rocks

Rock glaciers 0807
RT Cirques
–Erosion
Glaciers
–Landslides
–Mass wasting
–Rocks
Rockslides
Talus

Rock mechanics 0807.1
RT –Blasting
Craters
Creep
–Deformation
–Drilling
Engineering geology
–Excavation
–Foundations
–Geology
–In situ rock
Jacking tests
–Landslides
–Mechanical properties
–Mining
Mohr circle
Mohr envelope
Mohr failure theory
Quarries
Quarrying
Rapid excavation
Relief vaults
–Rock bolts
Rock breakage
Rock competency
Rockfalls
Rockfill dams
Rock foundations
Rock noise

Rock mechanics (Con.)
Rock pressures
Rock properties
–Rocks
Rockslides
Rock slope stability
Rock tests
Roof bolts
Roof supports
Shafts (mining)
Soil mechanics
Structural geology
–Tunnel construction
Tunnel design
Tunnel failure
Tunneling
–Tunnels
–Underground structures

Rock noise 0807
BT –Mechanical waves
–Microseisms
RT Cracking
–Elastic waves
Geophones
–Geophysics
–Landslides
–Noise (sound)
Rock breakage
Rock competency
Rock mechanics
Rock pressures
Rock properties
Rockslides
Rock slope stability
Seismic investigations
–Seismic waves
Tunnel failure
Tunneling

Rock pressures 0807.1
BT –Pressure
RT –Earth pressure
–Excavation
–In situ rock
–Loads (forces)
–Microseisms
–Mining
Pressure distribution
–Rock bolts
Rock competency
Rockfalls
Rock mechanics
Rock noise
Soil pressure
Stress concentration
Subsurface investigations
–Tunnel construction
Tunnel design
Tunnel failure
Tunneling
Tunnel linings

Rock properties 0807
BT –Properties
RT Aquifer characteristics
Capillary action
–Chemical properties
–Density
Elasticity (mechanical)
Electrical resistivity
Folds (geology)
Foundation rocks
Geophysical logging
Hardness
–Hydrologic properties
–In situ rock
Jacking tests
–Logging (recording)
–Mechanical properties
Percolation
Permeability
–Petrography
–Petrology
–Physical properties
Porosity
Radioactivity
–Resistivity
Rock competency
Rock density
Rock excavation
Rock foundations
Rock mechanics
Rock noise
–Rocks
Rock slope stability
Rock tests
–Sedimentary rocks
Seismic properties
Shear strength
Solubility
Soluble rocks
–Strength
–Stress
Thermal conductivity
Tunneling
–Well logging

Rocks 0807
NT –Acidic rocks
Andesite
Basalt
–Basic rocks
Bedrock
Boulders
Breccia
–Calcareous rocks
Calcite
Caliche
–Carbonate rocks
Chalk
Chert
Clay shales
Claystones
–Coal
Conglomerate rocks
–Crystalline rocks
Diabase
Diatomite
Diorite
Dolomite
Foundation rocks
Gabbro
Gneiss
Granite
–Igneous rocks
–In situ rock
–Intermediate rocks
Lava
Lignite
–Limestone
Marble
Marl
–Metamorphic rocks
Mudstone
Oil shale
Pegmatites
Perlite
–Plutonic rocks
Pumice
Quartzite
Rhyolite
Sandstone
Schist
–Sedimentary rocks
Sedimentary tuff
–Shale
Siltstone
Slate
Soluble rocks
Syenite
–Tuff
Ultrabasic rocks
–Volcanic rocks
RT Backfills
Beds (geology)
Coarse aggregates
Cobbles
Connate water
Dam facings
Detrital soils
–Embankments
Folds (geology)
Foliation
–Geologic deposits
–Geologic formations
–Geology
Lithification
Magma
Mineral content
Mineralogy
–Minerals
–Mines
Monoliths
Outcrops
Overburden
Petrofabrics
Petrographic investigations
–Petrography
–Petrology
Quarries
Quarrying
Residual soils
–Rigid foundations
Riprap
Rock alteration
Rock blankets
Rock breakage
Rock competency
Rock density
Rock excavation
Rockfalls
Rockfill dams
Rock fills
Rock flour
Rock foundations
Rock glaciers
Rock mechanics
Rock properties
Rockslides
Rock slope stability
Rubble
Rubble masonry
Rubble mounds
Shafts (mining)
–Soils
Stones
Stratigraphy
Talus

Rock sausages
USE Gabions

Rockslides 0807
BT –Earth movements
–Landslides
–Mass wasting
RT Anchor bolts
–Avalanches
Critical slopes
Debris avalanches
Engineering geology
–Erosion
–In situ rock
–Mass wasting
Rock competency
Rockfalls
Rock fills
Rock glaciers
Rock mechanics
Rock noise
–Rocks
Rock slope stability
Sliding
Slipping
Slip planes
Slip surface
Slope protection
–Slope stability
Slope stabilization
–Stability analysis
Tunnel failure

Rock slope stability 0807.1
BT –Slope stability
–Stability
RT Anchor bolts
–Avalanches
Cuts
Cut slopes
–Earth dams
–In situ rock
–Landslides
Rock competency
Rock density
Rock excavation
Rockfalls
Rockfill dams
Rock fills
Rock mechanics
Rock noise
Rock properties
–Rocks
Rockslides
Rolled fills
Slip-circle method
Slip planes
Slip surface
Slope angles
Slope protection
Slope stabilization
–Stability analysis

Rock tests 1402
BT –Materials tests
–Tests
RT –Compression tests
–Dynamic tests
–In situ tests
Jacking tests
–Mechanical properties
–Permeability tests
–Physical properties
Plate load tests
Pull-out tests
Rock mechanics
Rock properties
–Shear tests
Sonic velocity tests
Static tests
Tension tests
Triaxial tests

Rodenticides 0606
BT –Chemicals
–Pesticides
–Poisons
RT –Animal control
–Rodents

Rodents 0603.2
BT –Animals
–Mammals
–Small animals (mammals)
NT Beavers
Gophers
Muskrats
RT Animal groupings
–Aquatic animals
Burrows
–Damages
Laboratory animals
Mammal groupings
Rodenticides
–Small game
–Wildlife

Rod mills 1309
BT –Grinders
–Industrial plants
–Mills
RT Ball mills
Crushing
Grinding
Ores

Rods 1407
NT Tie rods
RT –Bars
Dowels
Extrusions
–Steel
Structural shapes
–Wire

Rolled fills 1313
BT –Fills
RT Backfills
Compacted soils
–Compaction
–Compaction equipment
Densification
Dikes
–Earth dams
–Earthfill
–Earthworks
–Embankments
Landfills
Levees
Lifts (construction)
Pneumatic tired rollers
Road construction
Rock fills
Rock slope stability
–Rollers
Rolling
–Slope stability
Soil compaction
Tamping rollers

Roller bearings 1309
BT –Bearings
RT Bearing pressure
Journal bearings
Thrust bearings

Roller gates 1313.7
BT –Gates
–Hydraulic equipment
–Hydraulic gates
RT Emergency gates
Fixed wheel gates
Floodgates
–Fluid mechanics
–Hoisting machinery
Sector gates
Sluice gates
Spillway gates
–Spillways

Roller-mounted gates 1313.7
BT –Gates
–Hydraulic gates
RT Fixed wheel gates
Floodgate
Stoney gates

Rollers 1309
BT –Construction equipment
–Equipment
NT Drum rollers
Pneumatic tired rollers
Sheepsfoot rollers
Tamping rollers
RT Brushes
–Compaction
–Compaction equipment
–Conveyors
–Earth handling equipment
Mobile equipment
Painting
Rolled fills
Rolling
Soil compaction
Tires
–Wheels

Rolling 1315
RT Cladding
Cold-rolled steel
–Compaction
–Compaction equipment
Densification
–Earthworks
Extrusions
Materials forming
Rolled fills
–Rollers
Soil compaction

Roll waves 2004
BT –Mechanical waves
–Waves
–Waves (water)
RT Eddies
Slug flow
Stilling basins
Turbulence

Roof bolts 1305
BT –Bolts
–Fasteners
–Mechanical fasteners
–Rock bolts
RT Relief vaults
Rock excavation
Rock mechanics
Roofs
–Tunnel construction
Tunnel design
Tunneling
–Tunnels
Tunnel supports
Underground powerplants
–Underground structures

Roof failures 1313.5
RT Roofing materials
Roofs
Sheeting
–Snow
Snowfall
–Wind (meteorology)
Wind pressure

Roofing materials 1303
BT –Building materials
–Construction materials
–Materials
RT –Asphalt cement
–Asphalts
–Bituminous cements
Impervious membranes
–Metals
–Plastics
Roof failures
Roofs
–Rubber
Slate
–Surfacing
Tiles

Roofs 1313.4
RT –Buildings
Canopy
Protective coverings
Residences
Roof bolts
Roof failures
Roofing materials
Roof supports
Sheathing
Small structures

Roof supports 1313.5
BT –Supports
RT –Beams (structural)
–Bracing
Ribs
Rock mechanics
Roofs
Stiffeners
–Structural members
–Tunnel construction
Tunneling
–Tunnels

Root development 0603.1
RT –Growth stages
–Plant growth
Planting management
Plant physiology
Rhizosphere
Root distribution
Root systems
Root zone
Seeding

Root distribution 0603.1
RT Distribution patterns
Geotropism
–Growth stages
–Nutrients
Root development
Root systems
Root zone
Soil-water-plant relationships

Rooted aquatic plants 0603.1
BT –Aquatic life
–Aquatic plants
–Plants (botany)
NT –Amphibious plants
Bulrush
Cattails
Sago pondweed
Widgeon grass
Wild rice
RT –Aquatic weeds
–Marine plants
Periphyton
Plant groupings
Rice
Riparian plants
–Submerged plants
–Submersed weeds

Roots
USE Root systems

Root systems 0603.1
UF Roots
RT –Absorption
Frost heaving
Geotropism
–Growth stages
–Nutrients
Phloem
–Plant growth
Plant morphology
Plant physiology
Rhizomes
Root development
Root distribution
Root zone
Soil-water-plant relationships
–Water utilization
–Xylem

Root zone 0603.1
RT –Application methods
–Cultivation
Deep percolation
Moisture availability
–Phreatophytes
Rhizosphere
Root development
Root distribution
Root systems
–Soil moisture
Soil-water-plant relationships
Subsoil
Underground
Water application rate
Wilting point

Rotary compressors
USE Compressors

Rotary drillers
USE Rotary drilling

Rotary drilling 1308
UF Rotary drillers
BT –Drilling
RT Auger borings
–Augers
Boreholes
Boring
Boring machines
Core drilling
Drill holes
–Drilling equipment
–Drills
–Exploration
Percussion drilling
–Sampling
Soil investigations
–Wells

Rotary pumps 1311
BT –Hydraulic machinery
–Machines
–Pumps
NT Centrifugal pumps
Propeller pumps
RT Axial flow
Fans
Mixed flow pumps
–Pumping
–Pump turbines

Rotating components 1309
UF Components (rotating)
Rotating parts
RT –Electric generators
–Hydraulic turbines
Impellers
–Pumps
–Rotors
Stators
Turbine runners

Rotating machines 1309
NT –Electric generators
–Electric motors
–Hydraulic turbines
–Motor generators
–Pumps
Synchronous machines
–Turbines
RT Air circulation
Air compressors
Core drilling
–Drilling equipment
–Hydraulic machinery
Power transmission (mechanical)
Tunneling machines

Rotating meters 1402
BT –Equipment
–Instrumentation
–Measuring instruments
RT Current meters
Orifice meters
Stream gages
–Velocity
–Velocity meters
Water meters

Rotating parts
USE Rotating components

Rotation 2011
RT Centrifugal force
Centripetal force
–Circulation
Coriolis force
Crop production
Dry land farming
–Erosion control
Fallowing
Farm management
Fish farming
–Irrigation practices
Motion
Potential flow
Rotational flow
Torque
Torsion
Twisting
Twisting stress
–Velocity
Vortices
Water conservation

Rotational flow 2004
BT –Flow
–Movement
RT Cavitation
Eddies
Flow patterns
–Fluid flow
Jets
Mixing
Rotation
Turbulence
Vortices

Rotation grazing
USE Grazing

Rotenone 0606
BT –Fish control agents
RT –Insecticides
–Pesticides
Piscicides

Rotifers 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Aquatic microorganisms
–Invertebrates
–Microorganisms
–Plankton
–Seston
–Zooplankton

Rotors 1307
NT Impellers
Turbine wheels
RT Blades
–Electrical equipment
–Electric generators
–Electric motors
Induction motors
Rotating components
Stators
Turbine parts
–Turbines
–Wheels

Rots 0601
BT –Diseases
–Plant diseases
RT –Decomposing organic matter
–Decomposition
Epiphytology

Rough fish 0603.2
UF Coarse fish
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Wildlife
RT Animal groupings
Carp
–Catfishes
Fish types
–Freshwater fish
–Lampreys
Sharks

Roughness 1407
NT Bed roughness
Roughness (hydraulic)
RT Contours
Flat surfaces
–Friction
Friction coefficient (hydraulic)
Friction coefficient (mechanical)
Friction piles
Friction tests
Roughness coefficient
Smoothness
–Surface properties
Tunnel linings
Unlined tunnels

Roughness (hydraulic) 2004
UF Channel roughness
Hydraulic roughness
BT –Physical properties
–Roughness
RT Abrasion
Bed roughness
–Beds
–Channel flow
–Channels
Chezy equation
–Coefficients
Flow resistance
Fluid friction
–Friction
Friction coefficient (hydraulic)
Head losses
Hydraulic design
–Hydraulics
Hydrostatic pressure
Kutter formula
Mannings equation

Subject Category Index numbers follow main terms: (–) = See main entry for narrower terms.

Roughness (hydraulic) (Con.)
Open channel flow
–Open channels
Relative roughness
–Resistance
Retardance
Rigidity
Roughness coefficient
Tunnel hydraulics

Roughness coefficient 2004
BT –Coefficients
RT Abrasion
Bed roughness
Fluid friction
–Friction
Friction coefficient (mechanical)
Hazen-williams equation
Head losses
Kutter formula
Mannings equation
–Resistance
–Roughness
Roughness (hydraulic)
–Surface properties
Test canals
Tunnel hydraulics

Routing 1407
UF Streamflow routing
BT –Water management (applied)
NT Flood routing
RT Bypasses
–Canals
–Channels
–Circulation
Deflection
–Discharge (water)
–Distribution
–Distribution systems
Diversion structures
–Flow
–Forecasting
–Hydraulics
–Hydrographs
Hydrography
Inflow
–Inland waterways
Materials handling
Navigation
–Planning
Production control
–Reservoir operation
–Reservoirs
Reservoir yield
–Runoff
Scheduling
–Streamflow
Streamflow depletion
Streamflow forecasting
Water control
–Water storage

Rowboats
USE Boats

Royalties 0503
RT –Costs
–Income
Investment
–Licenses
Patents
–Payment
–Permits
Revenues

Rubber 1110
BT –Building materials
–Construction materials
–Elastomers
–Materials
NT Foam rubber
Synthetic rubber
RT –Materials
–Protective coatings
Roofing materials
Rubber pipes
Rubber tubing

Rubber pipes 1311
BT –Closed conduits
–Pipes
RT –Rubber
Rubber tubing

Rubber tired rollers
USE Pneumatic tired rollers

Rubber tubing 1311
BT –Tubes
RT Copper tubing
Flexible tubing
Hose fittings
Hoses
Piping systems (mechanical)
Plastic tubing
–Rubber
Rubber pipes

Rubble 1303
RT –Aggregates
Debris
Detrital soils
Detritus
Riprap
Rock blankets
–Rocks
Rubble masonry
Rubble mounds
Shore protection
Stones

Rubble masonry 1303
BT –Masonry
RT –Cements
Concrete masonry
–Concretes
–Construction materials
Masonry dams
Monoliths
–Mortars
–Rocks
Rubble
Stones
–Walls

Rubble mounds 1313.1
RT Breakwaters
Harbors
Jetties
–Rocks
Rubble
Sea walls
Stones

Ruddy duck 0603.2
UF Oxyura jamaicensis
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Ruminants 0603.2
BT –Animals
–Mammals
NT Cattle
Deer
Sheep
RT Animal groupings
–Domestic animals
–Livestock
Mammal groupings

Running waters 0808
BT –Bodies of water
NT Acid streams
Alluvial streams
Cold springs
Ephemeral streams
Geysers
–Hot springs
Interstate rivers
Lake bottom springs
Natural streams
–Non-perennial streams
Perennial streams
–Rivers
–Springs (water)
–Streams
–Thermal springs
Tributaries
Warm springs
Wild rivers
RT Canyons
–Channels
–Conduits
–Currents (water)
Degradation (stream)
–Drainage
–Erosion
–Floods
–Flow
–Fresh water
–Gaging stations
Geomorphology
–Groundwater
Hydrologic cycle
Lotic environment
Navigable rivers
Non-navigable waters
–Runoff
Scour
–Sedimentation
Sedimentation rates
–Sediment load
–Sediment transport
–Standing waters
Stream erosion
–Subsurface waters
–Surface waters
Suspended load
Suspended sediments
Suspended solids
–Tractive forces
–Water types

Runoff 0808
NT Overland flow
Peak runoff
Storm runoff
Subsurface runoff
Surface runoff
RT Annual floods
Antecedent precipitation
Base flow
Clear-cutting
–Cutting management
Demonstration watersheds
Depth-area-duration analysis
Design storm
–Discharge (water)
–Drainage
Drainage basins
Droughts
Duration curves
Excess water (soils)
Flood control
Flood forecasting
Flood hydrographs
Flood peaks
Flood routing
–Floods
Floodwater
Flood waves
–Flow
Flow duration
Flow duration curves
Fluvial hydraulics
Frequency curves
Geomorphology
Glaciers
Groundwater movement
–Hydrographs
Hydrologic budget
Hydrologic cycle
Hydrologic equation
–Hydrology
Hydrophase diagrams
Infiltration
Interfluves
Karst
Large watersheds
Leaching
Lysimeters
Mass curves
Maximum probable flood
Percolation
–Precipitation (atmospheric)
Probable maximum precipitation
Rain
–Rainfall
Rainfall disposition
Rainfall intensity
Rainfall-runoff relationships
Rational formula
Recession curves
Recirculating irrigation system
–Reservoirs
River basins
River currents
–River flow
River forecasting
–River regulation
–Rivers
–Routing
–Running waters
Runoff coefficient
Runoff forecasting
Safe yield
–Slopes
–Snow
Snow management
Snowmelt
Soil conservation
Soil erosion
–Soil water
–Storms
–Streamflow
Streamflow depletion
Streamflow forecasting
–Streams
Surface-groundwater relationships
–Surface waters
Suspended load
Suspended sediments
Suspended solids
Terraces
Terracing
Time lag
Time series analysis
Vegetation effects
Water balance
Water conservation
Water harvesting
–Water loss
–Watersheds (basins)
Watersheds (divides)
Water sources
–Water supply forecasting
–Water types
–Water yield
Water yield improvement

Runoff coefficient 0808
BT –Coefficients
RT Peak discharge
Peak floods
–Precipitation intensity
Rainfall-runoff relationships
Rational formula
–Runoff
Runoff forecasting
–Watersheds (basins)

Runoff forecasting 0808
UF Flow forecasting
Runoff predicting
BT –Forecasting
–Water supply forecasting
RT Annual floods
Depth-area-duration analysis
Duration curves
Flow duration
Infiltration
–Precipitation intensity
Rainfall intensity
–Runoff
Runoff coefficient
–Slopes
Snowmelt
Storm structure
Time series analysis

Runoff predicting
USE Runoff forecasting

Runs
USE Streams

Runways 0105
RT –Aircraft
Airports
Base courses
Concrete pavements
Flexible pavements
Hard surfacing
–Pavements
Paving
–Rigid pavements
Subbase
Subgrade

Ruppia maritima
USE Ditch grass

Rupture (dams)
USE Dam failure

Rupture modulus 2012
BT –Coefficients
–Mechanical properties
RT –Failure (mechanics)
–Fractures
Rupturing
–Strain
–Strength
Strength of materials
–Stress

Rupturing 2012
RT Cracking
–Damages
Dam breaches
Dam failure

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Rupturing (Con.)
—Failure (mechanics)
Rapid drawdown
Rupture modulus

Rural areas 0806
BT —Regions
RT Agriculture
Community development
Land use
Rural electrification
Rural sociology

Rural electrification 0901.1
RT —Electric power
Electric power distribution
—Farms
Rural areas
—Transmission (electrical)
—Transmission lines

Rural sociology 0511
BT —Social aspects
—Social sciences
—Sociology
RT Agricultural economics
Agriculture
Area redevelopment
Community development
Rural areas
Social mobility
Urban sociology

Rust control 1113
UF Rust inhibiting agents
Rust inhibitors
Rust prevention
BT —Corrosion control
RT Cathodic protection
Galvanizing
—Protective coatings
Rusting
Weatherproofing

Rusting 1113
BT —Corrosion
RT —Chemical degradation
—Chemical reactions
—Iron compounds
Iron oxides
Oxidation
Pitting
Rust control
Scale (corrosion)
Scaling
Weathering

Rust inhibiting agents
USE Rust control

Rust inhibitors
USE Rust control

Rust prevention
USE Rust control

Rusts (fungi) 0603
BT —Diseases
—Plant diseases
RT Epiphytology
—Fungi

S

Saccharum officinarum
USE Sugarcane

Sac fry
USE Fry

Safety 1312
NT Fire safety
Nuclear safety
RT —Accidents
—Avalanches
—Blasts
Building codes
Camping
Compressed air
Demolition
—Detectors
Detonation
Disasters
Drowning
Employee relations
—Environmental engineering
Fatigue (physiology)
Fire alarm systems
Fires
First aid
Freeboard
Goggles
—Hazards
—Health
—Mines
Mining engineering
Morale
Motor vehicle accidents
Nuclear physics
Occupations
Public health
—Recreation
Reliability
—Reservoir operation
Safety factors
Shafts (mining)
Shelters
Shock (physiology)
—Storage
—Toxicity
Ventilation
Wrecks

Safety factors 1313
RT Allowable stress
Dam design
Dam stability
—Design
Design assumptions
Design criteria
Design earthquake
Design standards
Design strength
Dynamic stability
Reliability
—Safety
Seismic stability
Sliding resistance
Slip-circle method
Slip planes
Slip surface
Slope angles
—Slopes
—Slope stability
—Stability
—Stability analysis
—Strength
Stress analysis
—Structural analysis
Structural behavior
—Structural design
Structural engineering
Structural models
—Structural stability
—Structures

Safe yield 0808
UF Yield (safe)
RT —Aquifers
—Depletion
—Forecasting
—Groundwater
Groundwater basins
—Hydrographs
Hydrologic equation
Project planning
—Pumping
—Rates
Reservoir yield
—Runoff
—Streamflow
—Water yield
Water yield improvement
Withdrawal

Sagebrush 0603.1
BT —Brush
—Crops
—Dicots
—Horticultural crops
—Phreatophytes
—Plants (botany)
RT Chaparral
—Desert plants
Range management
—Weed control
—Wildlife management

Sagging 1407
RT Bending
Deflection
—Deformation
Distortion (structural)
—Electric cables
—Strain
Stringing
—Transmission lines

Sago pondweed 0603.1
BT —Aquatic life
—Aquatic plants
—Aquatic weeds
—Crops
—Dicots
—Floating plants
—Horticultural crops
—Monocots
—Plants (botany)
—Pondweeds
—Rooted aquatic plants
—Submerged plants
—Submersed weeds
—Weeds
RT Aquatic weed control
—Weed control
—Wildlife management

Sagponds 0808
BT —Bodies of water
—Lakes
—Ponds
—Standing waters
—Surface waters
RT Faults (geology)
Land subsidence
Shallow subsidence
—Subsidence

Sailing
USE Boating

Salamanders 0603.2
BT —Amphibians
—Animals
—Aquatic animals
—Aquatic life
—Wildlife

Salaries 0503
RT Budgeting
Civil service
Compensation
—Costs
Earnings
—Employment
Engineering costs
Fringe benefits
Incentives
Labor costs
Morale
Occupations
—Payment
—Personnel
Professional advancement
—Rates
Wages

Sales 0503
RT Commerce
—Consumers
—Consumption
—Forecasting
—Marketing
—Planning
Power marketing
—Prices
Scheduling

Saline deposits
USE Salts

Saline groundwater 0808.1
BT —Groundwater
—Subsurface waters
—Water
RT Brackish water
Dissolved solids
—Groundwater sources
Mineral water
Saline soils
—Saline water
Saline water-freshwater interfaces
—Saline water intrusion
Salinity
—Salts
Salt water barriers
Sea water intrusion

Saline lakes 0808
UF Salt lakes
BT —Bodies of water
—Lakes
—Land forms
—Standing waters
—Surface waters
RT Estuaries
Mineral water
Playas
—Saline water
—Saline water fish
—Salts

Saline soils 0807
(pH less than 8.5)
BT —Soil types
RT —Alkaline soils
—Chlorides
Halophytes
Irrigation effects
Land reclamation
Saline groundwater
Salinity
—Salts
Salt tolerance
Soil reclamation
—Sulfates

Saline water 0808
UF Salt water
BT —Water
—Water types
NT Brackish water
Brines
Sea spray
Sea water
RT Alkaline water
Aqueous solutions
Connate water
—Corrosion
—Desalination
Descaling
Encroachment
—Groundwater
Groundwater quality
Marine bacteria
—Membrane processes
Mineral water
Nuclear desalting
Saline groundwater
Saline lakes
—Saline water intrusion
Saline water systems
Salinity
Salt marshes
—Salts
Salt water barriers
Sea water corrosion
Soluble salts
—Solutions
Water pollution sources

Saline water conversion
USE Desalination

Saline water encroachment
USE Encroachment

Saline water fish 0603.2 0801
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Wildlife
NT Atlantic menhaden
Brackish-water fish
Desmersal fishes
Eels
—Elasmobranches
—Marine fish
Morays
Mullets
Pile perch
—Sea basses
Sharks
Smelts
Striped bass
White bass
White perch
White seaperch
Yellow bass
RT Estuaries
Estuarine fisheries
Fish and wildlife
Fish types
Marine fisheries
Saline lakes
Sport fish

Saline water-freshwater interfaces 1407
UF Freshwater-saline water interfaces
BT –Boundaries (surfaces)
–Interfaces
RT Encroachment
Estuaries
Mixing length
Oil wells
Saline groundwater
–Saline water intrusion
Two-part aquifers

Saline water intrusion 0808
UF Intrusion
Intrusion (salinity)
NT Encroachment
Sea water intrusion
RT –Aquifers
Brackish water
–Canals
Coasts
–Groundwater
Groundwater quality
Groundwater recharge
Hydrologic cycle
Infiltration
–Interfaces
Leaching
–Penetration
–Pumping
–Recharge
Saline groundwater
–Saline water
Saline water-freshwater interfaces
Salinity
Salt marshes
Salt water barriers
Sea spray
Sea water
–Seepage
–Subsurface waters
Tidal hydraulics
Tidal marshes
–Tides
Tsunamis
–Water levels
Water pollution sources
Well regulations
–Wells

Saline water systems 0701
RT Aqueous solutions
–Desalination
Electrolytes
Fused salts
–Saline water
–Thermodynamics
–Water chemistry

Salinity 0704
BT –Chemical properties
RT Brackish water
Brines
–Desalination
–Irrigation water
Mineral water
Nuclear desalting
Saline groundwater
Saline soils
–Saline water
–Saline water intrusion
Salinity meters
Salt removal
–Salts
Salt water barriers
Sea water
Sea water intrusion
Soil chemical properties
Water properties
–Water quality

Salinity meters 1402
UF Salinometers
BT –Equipment
–Instrumentation
–Measuring instruments
–Meters
–Test equipment
RT pH
Salinity
Salt water barriers

Salinity tolerance
USE Salt tolerance

Salinometers
USE Salinity meters

Salix species
USE Willow trees

Salmo clarki
USE Cutthroat trout

Salmo gairdneri
USE Rainbow trout

Salmon 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Salmonids
–Wildlife
NT Atlantic salmon
Chinook salmon
Chum salmon
Pink salmon
Smolt
Sockeye salmon
RT Commercial fish
–Marine animals
–Marine fish
Sport fish

Salmonella 0613
BT –Aerobic bacteria
–Bacteria
–Enteric bacteria
–Microorganisms
–Plants (botany)
RT Pathogenic bacteria
Sewage bacteria

Salmonids 0603.2
UF Salmonoids
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Wildlife
NT Atlantic salmon
Brook trout
Brown trout
Chinook salmon
Chum salmon
Cisco
Cutthroat trout
Lake trout
Pink salmon
Rainbow trout
–Salmon
Smolt
Sockeye salmon
–Trout
RT Anadromous fish
–Cold-water fish
Commercial fish
–Freshwater fish
–Marine fish
Sport fish

Salmonoids
USE Salmonids

Salmo salar
USE Atlantic salmon

Salmo trutta
USE Brown trout

Saltation 0808
BT –Sediment transport
RT Bed load
Channel erosion
Critical tractive force
–Movement
Sedimentology
Sediment production
Sediment samplers
Suspended sediments
Suspended solids

Salt balance 0808.1
RT Leaching
–Water quality

Saltcedar
USE Tamarisk

Salt extraction
USE Desalination

Salt lakes
USE Saline lakes

Salt marshes 0807
BT –Marshes
–Wetlands
RT Coastal marshes
–Saline water
–Saline water intrusion
Tidal marshes

Salt removal 1407
RT –Alkaline soils
Alkali soils
–Demineralization
–Desalination
Descaling
Land reclamation
Leaching
Salinity
–Salts
Soil treatment
Soluble salts
Solvent extractions

Salts 0702 0703
UF Acid salts
Saline deposits
BT –Chemical compounds
–Chemicals
NT Ammonium salts
Calcium chloride
Fused salts
Sodium chloride
Soluble salts
RT –Acids
–Alkalis (bases)
Boron compounds
–Chlorides
–Concrete additives
Dissolved solids
Hardness (water)
Mineral water
Neutralization
–Phosphates
Saline groundwater
Saline lakes
Saline soils
–Saline water
Salinity
Salt removal
Salt tolerance
Soil stabilization

Salt tolerance 0606
UF Salinity tolerance
RT Halophilic animals
Halophytes
–Metabolism
–Resistance
Saline soils
–Salts

Salt velocity method 2004
BT –Water measurement
RT Brines
–Diffusion
Discharge measurement
–Electric bridges
–Electrodes
–Field tests
–Flow
–Fluid mechanics
Gibson method
Groundwater flow
Injectors
–Instrumentation
Mixing length
Open channel flow
Pipe flow
Turbine efficiency

Salt water
USE Saline water

Salt water barriers 0808.1
UF Barriers (salt water)
Barriers (sea water)
Sea water barriers
BT –Barriers
RT Brines
Drainage systems
Groundwater hydrology
Groundwater recharge
Recharge wells
Saline groundwater
–Saline water
–Saline water intrusion
Salinity
Salinity meters
Sea water intrusion
Well spacing

Salt water intrusion
USE Sea water intrusion

Salt water invasion
USE Sea water intrusion

Salvage 1407
NT Water salvage
RT Dismantling
–Extraction
–Obsolescence
–Reclamation
Recovery

Salvage value 0503
BT –Value
RT Depreciation
Rehabilitation
Replacement costs
–Water reuse

Salvelinus fontinalis
USE Brook trout

Salvelinus namaycush
USE Lake trout

Samplers 1402
NT Denison samplers
Drive samplers
Piston samplers
Sediment samplers
–Soil samplers
RT –Augers
–Borings
Core drilling
Disturbed samples
Nansen bottles
–Nets
–Samples
–Sampling
Sediment sampling
–Test equipment
Test specimens
Undisturbed samples
Water sampling

Samples 1402
NT Disturbed samples
Remolded soil samples
Undisturbed samples
RT –Borings
Cores
–Materials tests
Piston samplers
–Samplers
–Sampling
–Soil samplers
Test specimens

Sampling 1402
NT Sediment sampling
Water sampling
RT Acceptability
–Analysis
–Analytical techniques
–Assay
Auger borings
–Borings
–Census
Collecting methods
Core drilling
Cores
Creel census
Data collections
Denison samplers
Disturbed samples
–Drilling
Drive samplers
Errors
Estimating
–Exploration
–Field investigations
–Forecasting
Foreign tests
Hand augers
–Inspection
–Investigations
Materials control
Materials engineering
–Measurement
Particle distribution
Piston samplers
Preliminary investigations
Probability
Probability theory
–Quality control
Recovery
Reliability

Sampling (Con.)
      Remolded soil samples
      Rotary drilling
    –Samplers
    –Samples
      Sediment samplers
      Sequential analysis
      Soil investigations
    –Soil samplers
    –Statistical analysis
      Statistics
      Subsurface investigations
      Test procedures
    –Tests
      Undisturbed samples
      Variability

Sand bars 0807
  UF   Bars (sand)
  BT –Alluvial deposits
    –Land forms
    –Sediment deposits
    –Sediments
  RT –Beaches
      Beach sands
      Coasts
    –Currents (water)
      Deposition
      Dunes
    –Geologic deposits
      Geomorphology
      Littoral drift
      Littoral materials
      Reefs
    –Sands
      Sand spits
    –Sedimentation
      Sediment concentration
      Shallow water
      Shoals

Sand blasting
  USE Abrasive blasting

Sand boils 0808
  UF   Boils (sand)
  RT   Artesian water
      Blowouts
    –Floods
    –Foundations
      Groundwater flow
      Piping (erosion)
      Quicksand
      Relief wells
    –Seepage

Sand drains 0808.1
  BT –Drains
  RT   Dewatering
      Drainage systems
    –Filters
      French drains
      Horizontal drains
      Relief wells
    –Sands
    –Settlement (structural)
    –Subsurface drains
      Toe drains
      Vertical drains

Sand dunes
  USE Dunes

Sanders
  USE Grinders

Sand filters 1311
  RT   Dewatering
    –Drainage
      Drainage systems
    –Drains
      French drains
      Inverted filters
    –Sands
    –Sewage treatment
      Sewage treatment plants
      Transition zones
      Trickling filters
      Underdrains
      Vertical drains
      Water filters
    –Water treatment
      Well screens

Sand pits 1303
  BT –Pits
  RT –Aggregates
      Borrow materials
      Borrow pits
      Fine aggregates
      Gravel pits
      Quarries
      Quarrying
    –Sands

Sands 0807
  BT –Construction materials
    –Earth materials
    –Granular materials
    –Materials
    –Pervious soils
    –Soils
    –Soil types
  NT   Beach sands
      Dune sands
      Quicksand
  RT   Abrasives
    –Aeolian soils
    –Aggregates
    –Alluvial deposits
    –Beaches
      Bedding materials
      Cohesionless soils
      Dunes
      Fine aggregates
    –Fines
    –Fluid filters
    –Geologic deposits
      Grain sizes
      Gravel pits
    –Gravels
      Grit
      Littoral materials
    –Loams
      Particle size
      Pea gravel
      Pipe bedding
      Sand bars
      Sand drains
      Sand filters
      Sand pits
      Sand spits
      Sandstone
    –Sediment deposits
    –Sediments
    –Silts
      Silty loams
      Soil components
      Soil liquefaction
      Terrace deposits

Sand spits 0807
  BT –Land forms
  RT   Coasts
    –Currents (water)
      Geomorphology
      Sand bars
    –Sands
      Shallow water
      Shoals

Sandstone 0807
  BT –Rocks
    –Sedimentary rocks
  RT   Claystones
      Conglomerate rocks
      Quartzite
    –Sands
    –Sediment deposits
    –Sediments
    –Shale
      Siltstone

Sand traps 1313.1
  RT –Debris barriers
    –Settling basins

Sand waves 0808
  BT –Sedimentary structures
  RT   Bed load
    –Currents (water)
      Dunes
      Dune sands
    –Movement
      Ripple marks

Sandwiching 1315
  RT –Composite materials
    –Laminates
    –Reinforced plastics

Sandy gravel
  USE Gravels

Sanitary engineering 1302.1
  UF   Engineers (sanitary)
      Sanitary engineers
  BT –Civil engineering
    –Engineering
  RT –Disposal
      Effervescence
      Effluent reuse
    –Effluents
      Environmental sanitation
      Garbage
      Insect control
      Landfills
    –Pest control
      Plumbing
      Pollution abatement
    –Pollution control
      Radioactive wastes
      Refuse disposal
      Sanitation
    –Sewage
      Sewage disposal
      Sewage effluents
    –Sewage treatment
      Sewage treatment plants
    –Sewage works
    –Sludge
      Sludge disposal
      Tertiary treatment
    –Treatment
      Waste dilution
    –Waste disposal
    –Wastes
      Waste stabilization ponds
      Waste water (pollution)
      Waste water use
      Water filters
    –Water pollution
      Water supply
      Water supply systems
    –Water treatment
    –Waterworks

Sanitary engineers
  USE Sanitary engineering

Sanitary fill
  USE Landfills

Sanitation 1302.1
  RT   Foods
    –Health
      Insect control
    –Pest control
      Public health
      Sanitary engineering
      Sewage disposal
      Sewers
    –Waste disposal

Satellites (artificial) 2202
  UF   Artificial satellites
  NT   Meteorological satellites
  RT –Astronomical bodies
      Data collections
      Data collection systems
    –Meteorology
      Remote sensing
      Weather forecasting

Saturated flow 0808.1
  BT –Flow
    –Movement
  RT   Flow patterns
      Groundwater movement
      Hydraulic conductivity
      Mudflows
      Permeability
      Porosity
      Saturated soils
      Transmissivity
      Zone of saturation

Saturated soils 0808.1 0813
  UF   Waterlogged soils
  BT –Earth materials
    –Materials
    –Soils
    –Soil types
  RT   Aeration
    –Drainage
    –Evapotranspiration
      Irrigation effects
      Mud
      Piston samplers
      Quick clays
      Quicksand
      Saturated flow
      Saturation
      Saturation zones
      Soil liquefaction
      Unsaturated soils
      Water injury
      Waterlogged land
    –Water table
      Wet condition
      Zone of saturation

Saturation 1407
  RT   Equilibrium
    –Evaporation
    –Flooding
    –Groundwater
    –Penetration
      Quenching
      Saturated soils
      Saturation zones
      Soaking
      Solubility
    –Solutions
      Submergence
      Subsurface moisture
      Supersaturation
      Wetting
      Zone of saturation

Saturation zones 0808.1
  RT –Groundwater
      Phreatic lines
    –Phreatic water
      Saturated soils
      Saturation
    –Seepage
    –Springs (water)
    –Wells

Sauger 0603.2
  UF   Stizostedion canadense
  BT –Animals
    –Aquatic animals
    –Aquatic life
    –Fish
    –Freshwater fish
    –Perches
    –Wildlife

Savannas
  USE Grasslands

Sawdust 1112
  BT –Dust
  RT   Lightweight aggregates
      Saw mills
      Wood wastes

Saw log test
  USE Navigable waters

Saw mills 1309
  BT –Industrial plants
    –Mills
  RT –Facilities
    –Industrial wastes
      Lumber
      Lumbering
      Pulp and paper industry
      Pulp wastes
      Sawdust
      Water pollution sources
    –Wood
      Wood wastes

Saws 1309
  RT –Cutting
      Hand tools

Scabs 0603.1
  BT –Diseases
    –Plant diseases

Scaffolds 1303
  RT –Construction equipment
      Ladders
    –Supports

Scale (corrosion) 1113
  BT –Corrosion
  RT   Crusts
    –Degradation
      Descaling
      Incrustation
      Mill scale
      Rusting
      Scale prevention
      Scaling

Scale (ratio) 1201
  RT –Charts
    –Indexes (ratios)
    –Maps
    –Models
      Scale effect
    –Size

Scale (ratio) (Con.)
—Surveys

Scale deposition
USE Scaling

Scale effect 1402
RT Diseconomies of scale
Errors
—Models
—Model studies
Prototypes
Reynolds number
Scale (ratio)

Scale prevention 1113
RT Descaling
Incrustation
Precipitation (chemistry)
Preventive maintenance
Scale (corrosion)
Scaling
—Water treatment

Scaling 1113
UF Scale deposition
RT Blistering
—Corrosion
—Damages
—Degradation (decomposition)
Deposition
—Desalination
Descaling
Hardness (water)
Incrustation
Precipitation (chemistry)
Rusting
Scale (corrosion)
Scale prevention
Scaling
Water softening

Scarifiers 1303
UF Rippers
BT —Construction equipment
—Earth handling equipment
—Equipment
RT Bulldozers
Land preparation
Plowing

Scattering 1407
RT Attenuation
Deflection
—Diffusion
Dispersion
Dissipation
—Distribution
Reflection

Scaup (greater)
USE Greater scaup duck

Scaup (lesser)
USE Lesser scaup duck

Scavengers 0603.2
BT —Animals
RT Niches

Scenedesmus 0603.1
BT —Algae
—Aquatic algae
—Aquatic life
—Aquatic plants
—Chlorophyta
—Plants (botany)
RT —Phytoplankton

Scenery 1407
RT Aesthetics
—Conservation
Geomorphology
Landscaping
—Natural resources
—Parks
—Recreation
—Resource conservation
—Roads
Scenic easements
Waterfalls
Wild rivers

Scenic easements 0504
BT —Easements
RT Scenery
—Zoning

Scenic highways 1302.4
BT —Highways
—Roads
RT Aesthetics
Highway beautification
—National parks
National seashores
—Parks
—Recreation
Tourism

Schedules
USE Scheduling

Scheduling 0501
UF Schedules
RT —Computers
—Control
Control systems
Coordination
Critical path method
Decision making
Erection
—Forecasting
Industrial engineering
Industrial production
Materials control
—Mathematical models
—Operations research
Optimization
PERT
—Planning
Power operation & maintenance
Production control
—Programs
Project life
Purchasing
—Quality control
—Routing
Sales
Systems engineering
Time series analysis
Timing

Schist 0807
BT —Crystalline rocks
—Metamorphic rocks
—Rocks
RT Foliation
Gneiss
Slate

Schlieren effect
USE High speed photography

Schools (education) 0509
NT Universities
RT —Buildings
—Education
Engineering education
—Facilities
Learning
—Organizations
Playgrounds
Students
—Training

Schools (fish) 0603.2
RT —Fish
Fish behavior
Fish migration
Social behavior

Sciences 1407
Use of a more specific term is recommended
NT —Biology
Biophysics
—Chemistry
—Economics
Electrochemistry
—Engineering
—Geochemistry
—Geology
Geomorphology
—Geophysics
—Mathematics
Medicine
—Petrology
—Physics
Political science
—Psychology
—Social sciences
Soil science
Zoology
RT —Administration
Agriculture
Applied research
Architecture
Arts
Basic research
—Education
Ethics
—Management
Scientific method
Scientific personnel

Scientific institutions
USE Scientific societies

Scientific method 1407
BT —Methodology
RT —Operations research
—Procedures
—Sciences

Scientific personnel 0509
BT —Personnel
—Professional personnel
—Technologists
RT Applied research
—Employment
—Engineering personnel
Labor
—Laboratories
—Management
Manpower
Professional development
—Sciences
Scientific societies
Technical societies
—Training

Scientific research
USE Research and development

Scientific societies 0501
UF Scientific institutions
BT —Organizations
—Professional societies
RT Conferences
Information centers
Professional development
Publications
Scientific personnel
Technical papers
Technical societies

Scintillation counters 1402
BT —Counters
—Detectors
—Equipment
—Instrumentation
—Measuring instruments
—Radiation detectors
—Radiation measuring equipment
—Test equipment
RT Neutron counters
—Radiation measurement

Scirpus species
USE Bulrush

Scotch pine trees 0206 0603.1
UF Pinus sylvestris
BT —Coniferous trees
—Conifers
—Gymnosperms
—Pine trees
—Plants (botany)
—Trees

Scoter (white-winged)
USE White-winged scoter

Scour 0808
BT —Erosion
RT Abrasion
Bed load
Bridge piers
Cavitation
—Channels
—Degradation
Degradation (stream)
Detritus
Flip buckets
Glaciation
Glaciers
Plunge basins
Potholes
—Running waters
—Streambeds
Stream erosion
—Streamflow

Scrapers
USE Earth handling equipment

Screeds 1303
BT —Construction equipment
—Earth handling equipment
—Equipment
RT —Concrete construction
Concrete finishing
—Concrete placing

Screening 1308
BT —Separation
RT —Beneficiation
—Filters
—Fines
Gradation
—Gradation analysis
Grain sizes
—Processing
—Screens
Sieve analysis
Sieves
—Size
Trashracks
Well screens

Screens 1303
NT Fish screens
Well screens
RT —Debris barriers
—Filters
—Fluid filters
Screening
Shields
Sieves
—Size
Trashracks

Screws 1305
BT —Fasteners
—Mechanical fasteners
RT —Anchors
—Bolts
—Couplings
—Joints (connections)
Studs

Scroll cases
USE Spiral cases

Scuba diving 0511
RT —Recreation
Swimming
Underwater construction
Underwater television
—Water sports

Sculpins 0603.2
UF Cottidae
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Wildlife
RT —Freshwater fish
—Marine fish

Scum 0808
RT —Aquatic algae
—Aquatic fungi
—Aquatic microorganisms
Impurities
—Plankton
Slime

Sea basses 0603.2
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Marine animals
—Marine fish
—Saline water fish
—Wildlife
NT Striped bass
White bass
White perch
Yellow bass
RT Bass
—Freshwater fish

Sea bottom
USE Ocean bottom

Sea breezes 0402
BT —Wind (meteorology)
RT Diurnal
Lake breezes
Land breezes
Marine air masses
—Meteoric water
Precipitable water
Vegetation effects

Seacoast
USE Coasts

Sea floors
USE Ocean bottom

Seago salmon
USE Atlantic salmon

Sea ice 0812
BT —Ice
RT Floating ice
Icebergs
Sea water

Sealants 1101
NT Canal sealants
Chemical sealants
Sealing compounds
Soil sealants
Water-borne sealants
RT Adhesives
—Asphalt emulsions
Binders
Bonding
Circumferential joints
—Coatings
Curing compounds
—Fillers
—Finishes
Gate seals
Grout curtains
—Grouting
Joint fillers
—Leakage
—Linings
Mastics
Moistureproofing
—Paints
—Protective coatings
Seal coat
—Seals (stoppers)
Seepage control
Seepage losses
Soil stabilization
Surface sealing
Varnishes
Waterproofing
Water seals
Water stops
Watertight

Seal coat 1101 1302.4
RT —Asphalts
Base courses
Bonding
—Coatings
Cutback asphalts
Flexible pavements
—Pavements
—Sealants
Sealing compounds
—Seals (stoppers)
Spraying
Trafficability
Waterproofing

Sea level 0805
UF Mean sea level
RT Bench marks
—Boundaries (surfaces)
Elevation
Fjords
Oceans
—Quaternary period
Tidal effects
—Tides
—Water levels

Sealing compounds 1101
UF Sealing materials
BT —Sealants
RT Adhesives
Binders
Caulking compounds
Chemical sealants
—Curing
Curing compounds
—Fillers
Joint fillers
Moistureproofing
Painting
—Protective coatings
Seal coat
—Seals (stoppers)
Water seals
Water stops
Watertight

Sealing materials
USE Sealing compounds

Seal rings 1101
BT —Rings
RT —Seals (stoppers)
Turbine parts

Seals (stoppers) 1101
NT Gaskets
Gate seals
O-ring seals
Water seals
RT —Asphalts
—Barriers
Caulking
—Closures
Constrictions
Joint fillers
Packers (grouting)
—Plugs
—Sealants
Seal coat
Sealing compounds
Seal rings
Seats
—Tapes
—Valves
Water-borne sealants

Sea nettles 0603.2
UF Nettles (sea)
BT —Animals
—Aquatic animals
—Aquatic life
—Plankton
—Seston
—Zooplankton
RT Swimming
—Toxins
Water pollution sources

Seaports
USE Ports

Search lights
USE Lighting equipment

Seas
USE Oceans

Seashores 0806
BT —Land forms
—Shores
NT National seashores
RT Halophilic animals
Halophytes
High water mark
Low water mark
Oceans
Ownership of beds

Seasonal 0402
RT Annual
Annual succession
Autumn
Average
Biorhythms
Cold resistance
Diurnal
Dry seasons
Ephemeral streams
Fluctuation
Growing period
Heat balance
Heat budget
Intermittent streams
Meromixis
Microenvironment
—Migration
Monsoons
Monthly
Nocturnal
—Non-perennial streams
Perennial streams
Period of growth
Seasonal variations
Spring
Summer
Thermal stratification
—Time
Turnovers
Varves
Vertical migration
Water year
Wet seasons
Winter

Seasonal variations 0402
BT —Periodic variations
RT Seasonal
—Seasons

Seasons 0402
NT Autumn
Spring
Summer
Winter
RT —Climatology
Ephemeral streams
Seasonal variations

Sea spray 0810
BT —Saline water
RT Coasts
—Saline water intrusion
—Wind (meteorology)

Seats 1311
RT —Hydraulic valves
—Seals (stoppers)
—Valves

Sea walls 1313.1
BT —Engineering structures
—Hydraulic structures
—Walls
RT Abutments
—Barriers
Breakwaters
—Bulkheads
—Coastal structures
Coasts
Harbors
Ice loads
Jetties
Ocean beaches
—Ocean waves
—Retaining walls
Revetments
Rubble mounds
Shore protection
Wave run-up

Sea water 0810
UF Marine water
Ocean water
BT —Saline water
—Water
—Water types
RT —Desalination
Estuaries
Gulfs
Icebergs
Nuclear desalting
Oceans
Red tide
—Saline water intrusion
Salinity
Sea ice
Sea water corrosion

Sea water barriers
USE Salt water barriers

Sea water conversion
USE Desalination

Sea water corrosion 1113
BT —Corrosion
RT Corrosion environments
Corrosion resistance
Corrosion tests
—Saline water
Sea water
Underwater corrosion

Sea water intrusion 0808
UF Intrusion (salt water)
Intrusion (sea water)
Salt water intrusion
Salt water invasion
BT —Saline water intrusion
RT Density currents
Saline groundwater
Salinity
Salt water barriers

Seaworthiness 0504

Secondary benefits
USE Indirect benefits

Secondary costs
USE Indirect costs

Secondary productivity 0606
BT —Ecology
—Productivity
RT Balance of nature
Bloodworms
Competition
Cycling nutrients
Food chains
Food habits
Food webs
—Predation
Primary productivity

Secondary recovery (oil) 0809
RT —Flooding
Injection
Natural gas
Oil fields
Oil reservoirs
Oil wells

Secondary treatment
USE Sewage treatment

Second order surveys 0802
BT —Surveys
RT Bench marks
—Civil engineering
—Mapping
—Measurement
Surveying instruments

Sector gates 1313.7
BT —Gates
—Hydraulic gates
RT Drum gates
Fixed wheel gates
—Flow control
Lock gates
Radial gates
Roller gates
Slide gates
Sluice gates
Spillway gates

Sedimentary basins (geological)
0807
BT —Basins
RT Geomorphology
—Lakes
—Land forms
—Sediments
Stratigraphy

Sedimentary petrology 0807
BT —Geology
—Petrology
RT Deposition
—Petrography
—Sedimentary rocks
—Sedimentary structures
—Sedimentation
Sedimentology
Stratigraphy
Weathering

Sedimentary rocks 0807
BT —Rocks
NT Chert
Clay shales
Claystones
—Coal
Conglomerate rocks
Diatomite
Dolomite
Lignite
—Limestone
Marl
Mudstone
Oil shale
Sandstone
Sedimentary tuff
—Shale
Siltstone
RT —Alluvial deposits
Beds (geology)
—Calcareous rocks
—Carbonate rocks
Chalk
Fossils
—Geologic formations
—Geology
Gypsum
—In situ rock
Lithification
Marine geology
—Metamorphic rocks
Oil reservoirs
—Petrography

Sedimentary rocks (Con.)
–Petrology
Quartzite
Reefs
Rock properties
Sedimentary petrology
–Sedimentation
Sedimentology
–Sediments
Strata
–Tuff

Sedimentary structures 0807
NT Sand waves
RT Beds (geology)
Dunes
–Geologic formations
–Geologic structures
Ripple marks
Sedimentary petrology
–Sedimentation
Sedimentology
–Sediments
Stratigraphy
Structural geology

Sedimentary tuff 0807
BT –Rocks
–Sedimentary rocks
–Tuff
RT Detrital soils
–Erosion
Mudflows
–Sediment deposits
Volcanic ash
–Volcanic rocks

Sedimentation 1407
NT Aggradation
Diagenesis
RT –Alluvial deposits
Bank erosion
Bed load
Degradation (stream)
Deltas
Deposition
Desilting
–Erosion
Flocculation
Flood plains
Floodwater
–Flotation
–Geology
–Glacial deposits
–Hydraulics
Lacustrine deposits
Marine geology
–Movement
Precipitation (chemistry)
Provenance
Reefs
Reservoir silting
–Running waters
Sand bars
Sedimentary petrology
–Sedimentary rocks
–Sedimentary structures
Sedimentation tanks
Sediment concentration
Sediment control
–Sediment deposits
Sediment distribution
Sedimentology
Sediment production
–Sediments
–Sediment transport
Sediment yield
–Separation
–Settling basins
Sewage treatment plants
–Silting
–Stratification
Stratigraphy
Stream erosion
Stream meandering
Superimposed drainage
Terrace deposits
Varves
Water filters
–Water treatment
Water treatment plants

Sedimentation basins
USE Settling basins

Sedimentation rates 0808
(sediment accumulations)
BT –Rates
RT Deposition
–Movement
–Reservoirs
–Running waters
Sediment control
Sediment distribution
–Sediment load
Sedimentology
Sediment production
–Sediment transport
Sediment yield
–Settling basins
Settling velocity
Stokes law

Sedimentation tanks 1302 1
BT –Containers
–Tanks (containers)
RT Desilting
Flocculation basins
–Sedimentation
–Settling basins
–Sewage treatment
Sewage treatment plants
Skimming
Storage tanks
–Water treatment

Sediment concentration 0808
UF Concentration (sediment)
Concentration (silt)
RT Aggradation
Deposition
Reefs
Reservoir silting
Sand bars
–Sedimentation
Sediment control
–Sediment deposits
–Sediments
Sediment samplers
–Sediment transport
Shoaling
–Silting
–Stratification

Sediment control 0808
UF Silt control
BT –Control
RT Channel erosion
Channel improvements
–Dams
Desilting
Desilting method
–Entrances (fluid flow)
Forest management
Geologic control
Hydraulic engineering
Movable bed models
Multiple purpose projects
Non-structural alternatives
Pump intakes
–Reservoir operation
Reservoir silting
–Sedimentation
Sedimentation rates
Sediment concentration
Sediment discharge
–Sediment load
–Sediments
Sediment samplers
–Sediment transport
Sediment yield
–Settling basins
Shoaling
–Silts
Soil conservation

Sediment density probes
USE Soil density probes

Sediment deposits 0807
BT –Sediments
NT –Alluvial deposits
Glacial soils
Moraines
Mud flats
Sand bars
Terrace deposits
RT Alluvium
Bed load
–Colluvium
Deltas
Flood plains
–Geologic deposits
–Glacial deposits
Glacial soils
–Gravels
Lake beds
Lake soils
Loess
Mudstone
–Sands
Sandstone
Sedimentary tuff
–Sedimentation
Sediment concentration
Sedimentology
–Sediment transport
–Silting
Siltstone
Suspended sediments
Varves

Sediment discharge 0808
UF Discharge (sediment)
RT Sediment control
Sediment distribution
–Sediment load
–Sediments
–Sediment transport
Sediment yield
Suspended sediments

Sediment distribution 0808
BT –Distribution
RT –Currents (water)
Distribution patterns
–Sedimentation
Sedimentation rates
Sediment discharge
–Sediment transport

Sediment load 0808
BT –Sediments
NT Bed load
Suspended load
RT –Aquatic drift
–Currents (water)
Meanders
–Movement
Regime theory
–Running waters
Sedimentation rates
Sediment control
Sediment discharge
Sediment samplers
–Sediment transport
–Seston
Settling velocity
Suspended sediments
–Tractive forces
Tripton

Sedimentology 0807
BT –Geology
RT –Channels
Deltas
Deposition
Diagenesis
–Erosion
Geomorphology
Lithification
Marine geology
Mineralogy
Paleontology
–Petrology
Saltation
Sedimentary petrology
–Sedimentary rocks
–Sedimentary structures
–Sedimentation
Sedimentation rates
–Sediment deposits
–Sediments
–Sediment transport
Sediment yield
Settling velocity
–Silting
Streamflow regulation
–Streams
Suspension
–Tractive forces

Sediment production 0807
RT Bank erosion
Degradation (stream)
Deposition
–Erosion
Flood plains
Floodwater
–Geology
–Glacial deposits
Glaciation
Saltation
–Sedimentation
Sedimentation rates
–Sediments
–Sediment transport
Trap efficiency
Vegetation effects

Sediments 0807
NT –Alluvial deposits
Alluvium
Bed load
Bottom sediments
Lacustrine deposits
Sand bars
–Sediment deposits
–Sediment load
Suspended load
Suspended sediments
Suspended solids
RT Bed movements
Bed roughness
Beds (geology)
–Colloids
–Colluvium
Critical tractive force
Deltas
Detrital soils
Detritus
–Earth materials
Flood plains
Fouling
–Geologic deposits
–Geology
–Glacial deposits
–Gravels
Grit
Groundwater movement
–Interfaces
Lake beds
Lithification
Littoral materials
Loess
Marine clays
Mud flats
Mud-water interfaces
Palynology
Particle size
Pollen
Provenance
River beds
–Sands
Sandstone
Sedimentary basins (geological)
–Sedimentary rocks
–Sedimentary structures
–Sedimentation
Sediment concentration
Sediment control
Sediment discharge
Sedimentology
Sediment production
Sediment-water interfaces
Sediment yield
–Silts
–Soils
Stable channels
Tripton
Uniformity coefficient
Varves

Sediment samplers 1402
BT –Samplers
RT Bed load
Drive samplers
–Gages
Saltation
–Sampling
Sediment concentration
Sediment control
–Sediment load
Sediment sampling
–Soil samplers
Suspended load
Suspended sediments
Turbidimeters

Sediment sampling 1402
BT –Sampling
RT Drive samplers
–Hydrologic instruments
–Logging (recording)
Ocean bottom
Piston samplers
Reservoir surveys
–Samplers
Sediment samplers
Soil investigations
–Soil samplers
Subsurface investigations
Suspended load
Undisturbed samples

Sediment transport 0808
UF Silt transport

Sediment transport (Con.)
NT Saltation
RT Bed load
Bedload movement
Bed movements
Critical tractive force
Deposition
—Flow
—Flumes
Littoral drift
Movable bed models
—Movement
—Running waters
—Sedimentation
Sedimentation rates
Sediment concentration
Sediment control
—Sediment deposits
Sediment discharge
Sediment distribution
—Sediment load
Sedimentology
Sediment production
Shoaling
—Streams
Suspended sediments
Suspended solids
Suspension
—Tractive forces
—Transfer
Tripton

Sediment-water interfaces 0808
BT —Boundaries (surfaces)
—Earth-water interfaces
—Interfaces
RT Lake soils
Mud
Mud flats
Mud-water interfaces
—Sediments

Sediment yield 0808
UF Yield (sediment)
RT Drainage basins
—Erosion
Provenance
Reservoir silting
—Sedimentation
Sedimentation rates
Sediment control
Sediment discharge
Sedimentology
—Sediments
—Streams
Trap efficiency
Vegetation effects
Watershed management
—Watersheds (basins)

Seedbed preparation
USE Planting management

Seeders
USE Seeding

Seeding 0204
UF Seeders
RT Bank protection
—Cover crops
Crop production
Crop response
—Cultivation
Farm management
Forest management
Ground cover
Highway beautification
Pasture management
—Plant growth
Planting management
—Plants (botany)
Root development
Seeds
Seed treatment
Slope protection
—Slopes
—Soil management
—Vegetation establishment

Seeding (planting)
USE Planting management

Seeds 0603.1
RT —Biology
Dispersion
Germination
Grains (crops)
Planting management
Plant morphology
—Plants (botany)
—Reproduction (biology)
Seeding
Seed treatment
Viability

Seed treatment 0204
RT —Application methods
Fertilization
Fertilizers
—Pest control
—Pesticides
Planting management
Seeding
Seeds

Seepage 0808.1
UF Seepage water
NT Canal seepage
Underseepage
RT Banks
Canal embankments
Canal linings
—Canals
Canal sealants
Cutoffs
Cutoff trenches
Cutoff walls
—Dams
Dam stability
Darcys law
Deep percolation
Diversion losses
—Drainage
Embankment subsidence
Farm lagoons
—Flow
Flow nets
Gravitational water
—Groundwater
Groundwater flow
Groundwater movement
Groundwater recharge
Grout curtains
—Grouting
Highway icing
Hydraulic gradient
—Hydraulics
Hydrologic budget
Impervious blankets
Impervious linings
Impervious membranes
Infiltration
Inflow
Influent streams
—Irrigation
—Irrigation water
Laminar flow
—Leakage
—Linings
Natural recharge
Outflows
—Penetration
Percolating water
Percolation
Permeability
Permeability coefficients
Piping (erosion)
Ponding
Ponding tests
Porosity
—Recharge
Relief wells
Reservoir leakage
—Reservoirs
Resistance networks
Return flow
Riparian water loss
—Saline water intrusion
Sand boils
Saturation zones
Seepage control
Seepage losses
Shotcrete
Soil mechanics
Soil moisture movement
Soil sealants
—Springs (water)
—Subsurface drainage
—Surface irrigation
Surface sealing
Test canals
Toe drains
Transition zones
Tunnel linings
Vertical drains
Water consumption
—Water loss
Water sources
—Water storage
—Water types
Weepholes

Seepage control 0808.1
BT —Control
RT Asphalt membranes
Blanket grouting
—Blankets
Buried membranes
Canal linings
Canal sealants
Canal seepage
Chemical sealants
Compacted soils
Concrete linings
Curtain walls
Cutoffs
Cutoff trenches
Cutoff walls
Dam design
Dam foundations
—Earth dams
Flexible linings
—Foundations
Grout curtains
—Grouting
Impervious blankets
Impervious linings
Impervious membranes
Inverted filters
—Pervious blankets
—Sealants
—Seepage
Seepage losses
Soil compaction
Soil sealants
Toe drains
Transition zones
Water control
Zoned embankments

Seepage losses 0808.1
BT —Losses
RT Canal linings
Canal seepage
Cutoffs
Diversion losses
Flow nets
Grout curtains
Head losses
—Leakage
—Linings
Percolation
Ponding
Ponding tests
Reservoir leakage
—Sealants
—Seepage
Seepage control
Soil sealants
Underseepage
—Water loss

Seepage water
USE Seepage

Seepwillow 0603.1
BT —Brush
—Crops
—Desert plants
—Dicots
—Horticultural crops
—Plants (botany)
RT Riparian plants
—Weed control

Seiches 0803
BT —Waves (water)
RT —Currents (water)
—Frequency
—Surface waters
—Surges
—Water circulation
Water hammer
—Wind (meteorology)
Wind tides

Seines
USE Nets

Seismic design 1313
BT —Design
RT Building codes
Cyclic loads
Dam design
—Damping
Design earthquake
Dynamic loads
Dynamic response
Dynamic stability
Earthquake engineering
Earthquake loads
Earthquake-resistant structures
—Earthquakes
Earthquake theory
Seismic properties
Seismic stability
Seismic studies
Seismic tests
—Seismic waves
Seismology
Shock waves
Soil dynamics
—Structural design
Structural engineering
—Structural stability
Tsunamis
—Vibration

Seismic explorations
USE Seismic investigations

Seismic investigations 0811
UF Explorations (seismic)
Seismic explorations
Seismic method
BT —Investigations
RT —Earthquakes
—Explosives
Foundation investigations
—Geologic investigations
Geophones
Geophysical logging
—Geophysics
—In situ tests
Longitudinal waves
—Microseisms
Reflection
—Refraction
Resistivity surveys
Rock noise
Seismic properties
—Seismic prospecting
Seismic refraction
Seismic studies
Seismic tests
Seismic velocity
—Seismic waves
Seismology
Shock waves
Soil investigations
Sounding
Subsurface investigations
Transverse waves

Seismic method
USE Seismic investigations

Seismic properties 1313
BT —Physical properties
—Properties
RT —Buildings
Dynamic response
Dynamic stability
Earthquake engineering
Earthquake-resistant structures
Earthquake theory
Rock properties
Seismic design
Seismic investigations
Seismic refraction
Seismic stability
Seismic studies
Seismic tests
Seismic velocity
—Seismic waves
Seismology
—Structures

Seismic prospecting 0807
BT —Geophysical prospecting
NT Seismic refraction
RT Geophones
—Geophysics
High explosives
Seismic investigations
Seismic studies
Seismic velocity
—Seismic waves
Seismographs

Seismic refraction 0811
BT —Refraction
—Seismic prospecting
RT —Exploration
Geophysical logging
—Geophysical prospecting
—Geophysics

Seismic refraction (Con.)
Seismic investigations
Seismic properties
Seismic studies
Seismic tests
Seismic velocity
–Seismic waves
Seismology
Subsurface investigations
Subsurface mapping

Seismic stability 1313
BT –Stability
RT Building codes
–Buildings
Cyclic loads
–Damping
Design earthquake
Dynamic loads
Dynamic response
Dynamic stability
Earthquake damage
Earthquake engineering
Earthquake loads
Earthquake-resistant structures
–Earthquakes
Safety factors
Seismic design
Seismic properties
Seismic studies
Seismic tests
–Seismic waves
Seismology
Shock waves
Soil dynamics
Soil liquefaction
–Stability analysis
–Structural design
–Structural stability
–Structures

Seismic studies 0811
BT –Geophysics
RT Earthquake engineering
–Exploration
–Explosions
–Explosives
High explosives
Seismic design
Seismic investigations
Seismic properties
–Seismic prospecting
Seismic refraction
Seismic stability
Seismic tests
Seismic velocity
–Seismic waves
Seismographs
Seismology

Seismic tests 0811
BT –Dynamic tests
–Tests
RT Cyclic loads
–Damping
Dynamic loads
Dynamic response
Dynamic stability
Earthquake engineering
Earthquake loads
Earthquake theory
–Explosions
–Explosives
–Field tests
Seismic design
Seismic investigations
Seismic properties
Seismic refraction
Seismic stability
Seismic studies
Seismic velocity
–Seismic waves
Seismology
Shear waves
Shock tests
Shock waves
Soil dynamics
Underground explosions
Vibration tables
Vibration tests

Seismic velocity 0811
BT –Velocity
RT Earthquake loads
Geophysical logging
–Intensity
Seismic investigations
Seismic properties
–Seismic prospecting
Seismic refraction
Seismic studies
Seismic tests
–Seismic waves
Seismographs
Seismology
Subsurface investigations

Seismic waves 0811
BT –Waves
NT –Microseisms
RT –Earth movements
Earthquake engineering
Earthquake loads
–Earthquakes
Earthquake theory
–Explosions
Geophones
–Intensity
Longitudinal waves
Nuclear excavation
Nuclear explosions
Reflection
–Refraction
Rock noise
Seismic design
Seismic investigations
Seismic properties
–Seismic prospecting
Seismic refraction
Seismic stability
Seismic studies
Seismic tests
Seismic velocity
Seismographs
Seismology
Shear waves
Shock (mechanics)
Shock waves
–Sound waves
Stress waves
Transient stress
Transverse waves
Tsunamis
Underground explosions
–Vibration

Seismographs 0811
UF Earthquake recorders
BT –Equipment
–Instrumentation
–Measuring instruments
–Sensors
RT Accelerometers
–Detectors
Earthquake engineering
Earthquake focus
–Earthquakes
Geophones
–Intensity
–Microseisms
–Seismic prospecting
Seismic studies
Seismic velocity
–Seismic waves
Seismology

Seismology 0811
RT Design earthquake
Dynamic loads
Dynamic response
–Earth movements
Earthquake engineering
Earthquake focus
Earthquake loads
–Earthquakes
Earthquake theory
Elasticity (mechanical)
Epicenters
–Geology
Geophones
–Geophysics
–Microseisms
Seismic design
Seismic investigations
Seismic properties
Seismic refraction
Seismic stability
Seismic studies
Seismic tests
Seismic velocity
–Seismic waves
Seismographs
Structural geology
–Vibration

Selected fills
USE Selected materials

Selected materials 1303
UF Selected fills
BT –Construction materials
–Materials
RT –Aggregates
Base courses
Bedding materials
–Borrow areas
Borrow materials
Borrow pits
Coarse aggregates
–Construction control
Dam facings
Earth-lined canals
Earth linings
–Earth materials
–Earthworks
Fine aggregates
Pit run materials
Quarries
Riprap

Selective dissemination 0502
RT –Computer programs
Current awareness
–Data processing
Data transmission
–Documentation
Information science
Information systems
Interest profiles
–Subject indexing

Selective level releases 1302.6
BT –Reservoir operation
RT Density currents
Evaporation control
Fish conservation
Fish hatcheries
–Intake structures
Multilevel outlets
–Outlet works
–River flow
Temperature control
Thermal gradient
Thermal stratification
Water temperature

Selectivity 1407
RT –Application methods
–Attractants
Baits
Balance of nature
Formulation
Integrated control measures
Mode of action
–Resistance

Selenium 0702
BT –Chemical elements
–Nonmetals
RT Selenium alloys
Selenium compounds

Selenium alloys 1106
BT –Alloys
–Metals
RT Selenium

Selenium compounds 0702 0703
BT –Chemical compounds
RT Selenium

Self-improvement 0509
RT Careers
–Education
Motivation
–Personnel
–Training

Self-purification 1302.2
BT –Water purification
–Water treatment
RT Aeration
–Aerobic bacteria
Biochemical oxygen demand
Photosynthesis
Reaeration
–Streams
Waste assimilative capacity
–Water pollution
Water treatment plants

Self-spillway dams 1313.1
BT –Dams
–Hydraulic structures
RT –Embankments
–Pervious blankets
Pervious linings
Rock blankets
–Spillways

Semantics 0507
RT Communication
Dictionaries
Grammars
Ideas
–Languages
Vocabularies

Semiarid areas
USE Semiarid land

Semiarid climates 0402
BT –Climate
RT Arid climates
Arid lands
Arroyos
Brown soils
Chernozems
Chestnut soils
Deserts
–Grasslands
–Pedocals
Playa lakes
Subarctic
Subhumid areas
Subhumid climates
Subtropic
Temperate

Semiarid land 0806
UF Semiarid areas
BT –Land
RT Arid lands
Land development
Land reclamation
Subhumid areas

Semicircular sections 1409
RT –Flumes
Hydraulic properties
Hydraulic radius
–Tunnels

Semiconductors 2012
UF Photoconductors
NT Thyristors
Transistors
RT –Detectors
Diodes
–Electric conductors
Electronics
Oscillators
–Receivers
Rectifiers
–Resistors
Solid state physics
Thermistors

Semipermeable membranes 1107
BT –Membranes
RT –Demineralization
–Desalination
Desalination apparatus
–Ions
–Membrane processes
–Osmosis
Reverse osmosis

Sensing devices
USE Sensors

Sensing elements
USE Sensors

Sensitive clays
USE Clays

Sensitivity 1407
BT –Physical properties
RT Accuracy
Amplification
Dynamic response
–Instrumentation
Quick clays
Ranges
Remolded soil samples
Shear strength
–Soil properties
Visibility

Sensors 1402
UF Sensing devices
Sensing elements
BT –Detectors
–Equipment
NT Geiger counters

Sensors (Con.)
Infrared detectors
Moisture sensors
Photometers
Pressure sensors
—Radiation detectors
Seismographs
—Temperature sensors
Thermocouples
Thermometers
RT Control systems
—Counters
—Detection
Fire alarm systems
—Gages
—Indicators
—Instrumentation
Laboratory equipment
—Logging (recording)
—Measuring instruments
—Meters
—Optical instruments
Piezoelectric transducers
—Piezometers
—Pitot tubes
Pressure cells
—Probes (instruments)
—Radiation measurement
—Radiation measuring equipment
—Receivers
—Recording systems
Remote sensing
Sounding
Strain measurement
Telemetry systems
—Test equipment
—Transducers
—Warning systems

Separable cost allocation 1401
BT —Cost allocation

Separable costs 1401
BT —Costs
RT Construction costs
Cost sharing
Electric power costs
Joint costs

Separation 1407
NT Centrifugation
Deaeration
Desorption
—Extraction
—Flotation
Freeze drying
Heavy media separation
—Ion exchange
—Osmosis
Precipitation (chemistry)
Screening
Skimming
Solvent extractions
RT —Beneficiation
Cleaning
Coagulation
Coalescence
Concentration
—Condensation
Decontamination
—Demineralization
—Desalination
Desilting
Desilting method
—Dialysis
—Diffusion
Dispersion
—Distillation
—Evaporation
Exudation
Flocculation
Foaming
Isolation
Melting
Mixing
Percolation
Purification
—Sedimentation
—Separation techniques
Sorption
Spacing
—Vaporization

Separation (flow)
USE Flow separation

Separation techniques 1308 1402
NT —Beneficiation
Centrifugation
—Chromatography
Concentration
—Demineralization
—Desalination
Desilting
Diagenesis
—Dialysis
—Distillation
Electrodialysis
Electroosmosis
Electrophoresis
Filtration
—Flash distillation
Foam fractionation
Foam separation
Heavy media separation
Leaching
Long-tube vertical distillation
—Membrane processes
Multistage flash distillation
Nuclear desalting
Panning
Reverse osmosis
—Silting
Solar distillation
Solvent extractions
Transport depletion
Vapor compression distillation
RT —Absorption
—Analytical techniques
Centrifuges
—Chemical reactions
Coagulation
—Condensation
Crystallization
Deposition
Desalination processes
—Diffusion
—Drying
—Evaporation
—Extraction
Hydrate processes
Isolation
Precipitation (chemistry)
—Separation
—Sewage treatment
Sublimation
—Treatment
—Waste treatment
—Water treatment

Septic tanks 1302.1
BT —Settling basins
—Tanks (containers)
RT Cesspools
—Disposal
Domestic wastes
Farm wastes
Sewage bacteria
Sewage disposal
—Sewage treatment
Sewage treatment plants
—Sewage works
Sludge treatment
Soil disposal fields
—Waste disposal
—Waste treatment

Sequence 1407
RT —Cycles
—Frequency
Organizing
—Procedures
—Time
Time series analysis
Timing

Sequential analysis 1201
BT —Analysis
—Statistical analysis
RT Markov processes
—Mathematical analysis
—Mathematical models
Monte carlo method
—Quality control
—Sampling

Sericea
USE Lespedeza

Series (mathematics) 1201
BT —Analysis
—Calculus
—Mathematics
RT Fourier analysis
—Mathematical analysis

Serpentine 0807
BT —Minerals
RT Asbestos

Service life 0503 1309
RT Amortization
Life expectancy
—Maintenance
—Obsolescence

Servomechanisms 1402
BT —Control equipment
RT Actuators
Automatic control
Automation
Control systems
Governors
—Instrumentation
—Motors
Radar equipment
Remote control

Sessile algae 0603.1
UF Algae (attached)
Attached algae
BT —Algae
—Plants (botany)
RT —Aquatic algae
Lichens
Periphyton

Seston 0613
NT —Aquatic bacteria
—Aquatic fungi
—Aquatic microorganisms
Beggiatoa
Dinoflagellates
Euglena
—Euglenophyta
Ferrobacillus
Marine bacteria
Marine fungi
—Marine microorganisms
—Nannoplankton
Nekton
Ochromonas
Rhodophyta
Rotifers
Sea nettles
Sphaerotilus
Thermophilic bacteria
Tripton
RT —Aquatic drift
—Aquatic life
Biota
Drifting (aquatic)
—Organic matter
—Organic wastes
Primary productivity
—Sediment load
Suspension
—Zooplankton

Set-retarding agents 1303.1
BT —Additives
—Admixtures
—Concrete additives
—Retarding agents
RT —Cements
Concrete mixes
—Concrete placing
—Concrete technology
—Curing
—Portland cements
Setting (materials)

Setting (materials) 0704
RT —Additives
—Cements
Concrete properties
—Curing
False set
—Hardening
Initial set
—Mortars
—Portland cements
Pozzolans
—Retarding agents
Set-retarding agents
Solidification
Steam curing
Thixotropy

Settlement (structural) 0813 1313.6
NT Differential settlement
RT Compressible soils
—Compression
—Consolidation
Dam foundations
Deep subsidence
—Deformation
Differential displacements
Embankment subsidence
—Footings
Foundation modulus
—Foundations
Land subsidence
Loading rate
Loose soils
—Mechanical properties
Ponding tests
Preloading
—Rigid foundations
Sand drains
Shallow subsidence
Soil consolidation tests
Soil mechanics
—Strain
Structural behavior
—Structural design
Structural engineering
—Structures
—Subsidence
Surcharge
Unconsolidated soils
Underconsolidation

Settling basins 1313.1
UF Sedimentation basins
Settling tanks
BT —Basins
—Hydraulic structures
NT Septic tanks
RT —Dams
—Debris barriers
Deposition
Desilting
Desilting works
—Disposal
Farm lagoons
Farm wastes
Flocculation basins
Oxidation lagoons
Sand traps
—Sedimentation
Sedimentation rates
Sedimentation tanks
Sediment control
Settling velocity
Sewage sludge
—Sewage treatment
—Sludge
Sludge disposal
—Treatment
—Waste disposal
—Wastes
—Waste treatment
—Water purification

Settling tanks
USE Settling basins

Settling velocity 0808
UF Fall velocity
BT —Velocity
RT Deposition
Gradation
Hydrometers
—Movement
Particle shape
Particle size
Sedimentation rates
—Sediment load
Sedimentology
—Settling basins
Stokes law
Suspension
Viscosity

Severance 0504
RT Riparian land
—Riparian rights

Sewage 1302.1
BT —Wastes
NT Sewage sludge
RT Activated carbon
Activated sludge
Chemical wastes
Domestic wastes
Effluent reuse
Fermentation
—Industrial wastes
—Industrial waste treatment
Inflow
Municipal wastes
—Organic wastes
Pumping plants
Sanitary engineering
Sewage bacteria
Sewage disposal

Sewage (Con.)
Sewage districts
Sewage effluents
Sewage lagoons
–Sewage treatment
–Sewage works
Sewerage
Sewers
–Sludge
Urine
Waste water
Waste water (pollution)
–Water pollution
Water pollution sources
–Water treatment

Sewage bacteria 0613 1302.1
BT –Bacteria
–Microorganisms
–Plants (botany)
RT Activated sludge
–Aerobic bacteria
–Anaerobic bacteria
–Aquatic bacteria
–Aquatic microorganisms
–Coliforms
E. coli
Methane bacteria
Pathogenic bacteria
Salmonella
Septic tanks
–Sewage
–Sewage treatment
Shigella
Sphaerotilus
Streptococcus
–Sulfate reducing bacteria
Water pollution sources

Sewage collection
USE Sewerage

Sewage disposal 1302.1
UF Sewage sludge disposal
BT –Disposal
–Waste disposal
RT Cesspools
–Contamination
Environmental sanitation
–Industrial wastes
–Industrial waste treatment
Radioactive wastes
Refuse disposal
Sanitary engineering
Sanitation
Septic tanks
–Sewage
Sewage effluents
Sewage lagoons
Sewage sludge
–Sewage treatment
Sewage treatment plants
–Sewage works
Sewerage
Sewers
–Sludge
Sludge disposal
Stream pollution
Waste dilution
–Wastes
–Waste water disposal
–Water pollution

Sewage districts 0504
RT –Governments
–Sewage
–Utilities

Sewage effluents 1302.1
BT –Effluents
RT Sanitary engineering
–Sewage
Sewage disposal
–Sewage treatment
–Wastes
Waste water (pollution)
–Waste water disposal
Water pollution sources

Sewage filters
USE Sewage treatment

Sewage filtration plants
USE Sewage treatment plants

Sewage lagoons 1302.1
UF Sewage ponds
BT –Lagoons (ponds)
RT Chlorella
–Disposal
Farm lagoons
Oxidation lagoons
–Sewage
Sewage disposal
Sewage sludge
–Sewage treatment
Sludge disposal
Sludge treatment
–Waste disposal
Waste stabilization ponds

Sewage ponds
USE Sewage lagoons

Sewage sludge 1302.1
BT –Sewage
–Sludge
–Wastes
RT –Biodegradation
Fermentation
Fertilizers
–Industrial wastes
–Settling basins
Sewage disposal
Sewage lagoons

Sewage sludge disposal
USE Sewage disposal

Sewage sludge treatment
USE Sewage treatment

Sewage stabilization 1302.1
BT –Sewage treatment
–Treatment
RT Activated carbon
Activated sludge
Aeration
–Chemical degradation
Denitrification
Nitrification

Sewage systems
USE Sewerage

Sewage tanks
USE Sewage treatment

Sewage treatment 1302.1
UF Filters (sewage)
Imhoff tanks
Primary treatment
Secondary treatment
Sewage filters
Sewage sludge treatment
Sewage tanks
BT –Treatment
–Waste treatment
NT Sewage stabilization
Tertiary treatment
RT Activated carbon
Activated sludge
Aeration
Anaerobic processes
–Biodegradation
Biological treatment
–Chemical degradation
Chlorination
Coagulation
Cultures
Effluent reuse
Environmental sanitation
Filtration
Flocculation
Foam fractionation
Incinerators
–Industrial wastes
–Lagoons (ponds)
Oxidation lagoons
Reverse osmosis
Sand filters
Sanitary engineering
Sedimentation tanks
–Separation techniques
Septic tanks
–Settling basins
–Sewage
Sewage bacteria
Sewage disposal
Sewage effluents
Sewage lagoons
Sewage treatment plants
–Sewage works
Sewerage
Sewers
Sludge treatment
Solids contact process
Trickling filters
–Wastes
Waste stabilization ponds
Waste water treatment
Waste water use
–Water pollution
Water pollution treatment
–Water reuse
Water salvage

Sewage treatment plants 1302.1
UF Filtration plants (sewage)
Sewage filtration plants
BT –Sewage works
–Utilities
RT Aeration
Cesspools
–Dilution
–Effluents
Filtration
–Flotation
Incinerators
–Industrial waste treatment
Radioactive wastes
Refuse disposal
Sand filters
Sanitary engineering
–Sedimentation
Sedimentation tanks
Septic tanks
Sewage disposal
–Sewage treatment
Skimming
–Sludge
Sludge digestion
Sludge disposal
Sludge treatment
Spreading basins
Treatment facilities
Trickling filters
–Waste treatment
Waste water
–Waste water disposal
Waste water treatment
–Water pollution

Sewage works 1302.1
NT Sewage treatment plants
RT Aeration
Cesspools
–Effluents
Filtration
Incinerators
–Lagoons (ponds)
Public works
Radioactive wastes
Refuse disposal
Sanitary engineering
Septic tanks
–Sewage
Sewage disposal
–Sewage treatment
Sewers
Skimming
–Sludge
Spreading basins
Trickling filters

Sewerage 1302.1
UF Collection (sewage)
Sewage collection
Sewage systems
RT –Pipelines
Pumping plants
–Sewage
Sewage disposal
–Sewage treatment
Sewers

Sewers 1302.1
BT –Conduits
RT Backwater
–Channels
Cities
Clay pipes
–Closed conduits
–Conveyance structures
–Disposal
Drainage systems
–Drains
Manholes
–Noncircular conduits
–Open channels
–Outlets
Overflow
–Pipelines
–Pipes
Plumbing
Public works
Sanitation
–Sewage
Sewage disposal
–Sewage treatment
–Sewage works
Sewerage
Siphons
Storm drains
–Subsurface drainage
–Tunnels
Urban areas
Urbanization
–Utilities
–Wastes

Sextants 1707
BT –Equipment
–Instrumentation
–Measuring instruments
–Optical instruments
RT Elevation
Position finding
Surveying instruments
Theodolites

Sexual maturity 0603
BT –Growth stages
RT –Biology
Flowering
Gonads
Immature growth stage
Life history studies
Man
Mature growth stage
–Reproduction (biology)

Shafts (excavations) 0809
RT Adits
–Excavation
–Exploration
Explosive construction
Shoring
–Tunnel construction
–Tunnels
–Water tunnels (conveyance)
–Wells

Shafts (machinery) 1309
UF Machinery shafts
NT Flexible shafts
Turbine shafts
RT –Bearings
Bushings
–Couplings
Critical speed
Flexible couplings
Housings
Journal bearings
Keyways
Power transmission (mechanical)
–Supports
Transmissions (mechanical)
Universal joints

Shafts (mining) 0809
UF Mining shafts
RT Adits
Coal mines
–Excavation
–Exploration
Mine drainage
–Mines
–Mine wastes
–Mine water
–Mining
Mining engineering
–Rock bolts
Rock mechanics
–Rocks
–Safety
Shoring
Stopes
Timbers
–Tunnel construction
Tunnel design
–Tunnels
Underground openings
Ventilation

Shaft spillways 1313.1
BT –Hydraulic structures
–Spillways
RT –Bends (hydraulic)
Bypasses
Cavitation
Closed conduit spillways
–Dams
–Debris barriers
–Energy dissipation
Flashboards
Floodways

Shaft spillways (Con.)
Ogee crests
—Outlet works
Overflow
Spillway crests
Stilling basins
—Tunnels

Shale 0807
BT —Rocks
—Sedimentary rocks
NT Clay shales
Oil shale
RT Claystones
Mudstone
Sandstone
Siltstone
Slate

Shallow subsidence 0813
BT —Subsidence
RT —Compaction
—Consolidation
Deep subsidence
—Deformation
Differential settlement
Groundwater depletion
Land subsidence
Loess
Ponding
Ponding tests
Sagponds
—Settlement (structural)
Sinkholes
Sinks
Withdrawal

Shallow water 0808
RT —Bodies of water
Deep water
Depth
—Habitats
Lagoons (landforms)
Littoral zone
—Marshes
Playa lakes
Reefs
Refraction (water waves)
Sand bars
Sand spits
Shoaling
Shoals
—Surface waters
—Swamps
Tidal marshes
—Water types
—Wetlands

Shallow wells 0808.1
BT —Wells
RT —Drawdown
—Groundwater
Sumps
—Water wells

Shape 1407
UF Form
NT Grain shapes
Particle shape
RT Asymmetry
Channel morphology
Configuration
Contours
—Dimensions
Disks (shapes)
Geometry
Graded
Lake morphology
Plant morphology
Prisms
—Profiles
—Size
—Surfaces
Symmetry
Topography
Volume
Waveforms

Shaping 1308
RT —Cutting
Grinding
Grooves
Machining
Materials forming

Sharks 0603.2
BT —Animals
—Aquatic animals
—Aquatic life
—Elasmobranches
—Fish
—Marine animals
—Marine fish
—Saline water fish
—Wildlife
RT Fish repellents
Rough fish

Sharp crested weirs 1402
BT —Weirs
RT Broad-crested weirs
Cipolletti weirs
Discharge measurement
Flow measurement
Rectangular weirs
Submerged weirs
Vee-notched weirs
Weir crests
Weir ponds

Shear 2012
NT —Axial shear
Biaxial shear
Boundary shear
Direct shear
Triaxial shear
RT Bearing strength
—Boundaries (surfaces)
—Compression
—Failure (mechanics)
Fatigue (materials)
—Flow
—Mechanical properties
Non-newtonian flow
Shear cracks
Shear distribution
Shear drag
Shear failure
Shear forces
Shear modulus
Shear planes
Shear resistance
Shear strain
Shear strength
Shear stress
—Shear tests
—Strength
Strength of materials
—Stress
—Tension

Shear cracks 2012
BT —Cracks
RT Ductility
—Failure (mechanics)
Failure surfaces
Fatigue (materials)
—Shear
Shear failure
Shear forces
Shear planes
Shear resistance
Shear strength
Shear stress
—Shear tests
Tensile stress

Shear distribution 2012
BT —Distribution
RT —Axial shear
Biaxial shear
Load distribution
—Loads (forces)
—Shear
Shear forces
Shear planes
Shear resistance
Shear strain
Shear stress
—Shear tests
Stress distribution
Triaxial shear

Shear drag 2012
BT —Resistance
RT Air-earth interfaces
—Boundaries (surfaces)
Boundary processes
—Earth-water interfaces
Flow resistance
—Interfaces
—Shear
—Surfaces

Shear failure 2012
BT —Failure (mechanics)
RT —Axial shear
Mohr envelope
Mohr failure theory
—Shear
Shear cracks
Shear forces
Shear planes
Shear resistance
Shear strain
Shear strength
Shear stress
—Shear tests
Soil stability
—Stability
Strength of materials

Shear forces 2011
UF Forces (shear)
RT —Axial shear
Biaxial shear
Direct shear
—Loads (forces)
—Shear
Shear cracks
Shear distribution
Shear failure
Shear planes
Shear resistance
Shear strain
Shear stress
—Shear tests
Torsion shear tests
Triaxial shear

Shear modulus 2012
BT —Mechanical properties
RT Elasticity (mechanical)
Elastic theory
Modulus of elasticity
Poisson ratio
—Shear
Shear strain
Shear stress
—Shear tests

Shear planes 2012
RT —Compression
—Failure (mechanics)
Failure surfaces
Internal friction
Mohr circle
Normal stress
Plastic deformation
—Shear
Shear cracks
Shear distribution
Shear failure
Shear forces
Shear resistance
Shear strain
Shear stress
—Shear tests
—Tension

Shear resistance 2012
BT —Mechanical properties
—Resistance
RT —Shear
Shear cracks
Shear distribution
Shear failure
Shear forces
Shear planes
Shear strain
Shear strength
Shear stress
—Shear tests
Strength of materials

Shear strain 2012
BT —Strain
RT —Deformation
Direct shear
Extensometers
—Loads (forces)
Normal strain
—Shear
Shear distribution
Shear failure
Shear forces
Shear modulus
Shear planes
Shear resistance
Shear strength
Shear stress
—Shear tests
—Strain gages
—Stress
Tangential strain

Shear strength 2012
BT —Mechanical properties
—Strength
RT —Axial shear
Bearing strength
Biaxial shear
Cohesion
Cohesive strength
Compressive strength
Concrete properties
Dam stability
Direct shear
Effective stress
—Friction
Friction coefficient (mechanical)
Internal friction
Negative pore pressure
Neutral stress
—Physical properties
Pore air pressure
—Pore pressure
Pore water pressure
Rock properties
Sensitivity
—Shear
Shear cracks
Shear failure
Shear resistance
Shear strain
Shear stress
—Shear tests
Sliding resistance
—Soil physical properties
—Soil properties
Soil strength
—Stability
Strength of materials
—Stress
—Tensile strength
Torsion shear tests
Triaxial shear
Vane shear tests
Yield strength

Shear stress 2011
BT —Stress
RT Compressive stress
Direct shear
Mohr circle
Normal stress
—Shear
Shear cracks
Shear distribution
Shear failure
Shear forces
Shear modulus
Shear planes
Shear resistance
Shear strain
Shear strength
—Shear tests
—Stress circle
Tensile stress

Shear tests 1402
BT —Materials tests
—Tests
NT Drained shear tests
Torsion shear tests
—Undrained shear tests
Vane shear tests
RT Adhesion
—Axial shear
Biaxial shear
Direct shear
Effective stress
Experimental data
Fatigue (materials)
—Field tests
Friction tests
High temperature research
Impact tests
Internal friction
Laboratory tests
Loading tests
—Metal tests
Rock tests
—Shear
Shear cracks
Shear distribution
Shear failure
Shear forces
Shear modulus
Shear planes
Shear resistance
Shear strain
Shear strength
Shear stress
Soil compression tests
—Soil tests
Static tests

Shear tests (Con.)
Strain rate
Strength of materials
Stress-strain curves
Tension tests
Test procedures
Test specimens
Torque
Triaxial compression
Triaxial shear
Triaxial tests
Unconfined compression

Shear waves 2014
BT –Waves
RT –Blasts
Dynamic loads
–Dynamic tests
Earthquake loads
–Elastic waves
–Explosions
Impact
–Mechanical waves
Seismic tests
–Seismic waves
Shock (mechanics)
Shock tests
Shock waves
Soil dynamics
Stress waves
Transverse waves
–Vibration

Sheathing 1308
RT –Buildings
Cladding
–Construction
Encasement
Roofs
–Surfacing
–Walls
–Wooden structures

Sheep 0205 0603.2
BT –Animals
–Domestic animals
–Livestock
–Mammals
–Ruminants

Sheepsfoot rollers 1303
BT –Compaction equipment
–Construction equipment
–Equipment
–Rollers
RT Compacted soils
–Compaction
Pneumatic tired rollers
Tamping rollers
Vibratory compaction

Sheet erosion 0807
BT –Erosion
RT –Colluvium
Overland flow
Raindrops
Sheet floods
Soil erosion
Surface runoff
Vegetation effects
Wind erosion

Sheet floods 0808
BT –Floods
RT Flash floods
Interfluves
Sheet erosion
Sheet flow
Soil erosion

Sheet flow 0808
BT –Flow
–Movement
RT Flow patterns
Overland flow
Sheet floods
Transients
–Unsteady flow

Sheeting 1303
RT Anchored bulkheads
–Bulkheads
Cofferdams
Horizontal loads
Lumber
–Retaining walls
Roof failures
Timbers
–Walls

Sheet piling 1303
BT –Piles (foundations)
RT Anchored bulkheads
–Bulkheads
Caissons
Cofferdams
–Concrete piles
Cutoffs
Cutoff walls
–Pile driving
–Retaining walls
Revetments
Steel piles
Wooden piles

Sheets 1107
RT –Coatings
–Laminates
–Membranes
Paper

Shellfish 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
NT Brine shrimp
Clams
–Commercial shellfish
Crabs
Lobsters
Mussels
Opossum shrimp
Oysters
Pink shrimp
–Shrimp
Snails
RT –Aquiculture
Commercial fish
Commercial fishing
–Crustaceans
–Mollusks

Shell structures 1313.5
BT –Structures
NT Cylindrical shells
Domes (structural)
Thin shell structures
RT –Arch dams
–Buildings
–Concrete structures
Cylinders
Double-curvature arch dams
–Plates
Spheres
Stiffeners
–Structural design
Thin arch dams

Shelterbelts 0206
RT –Animal control
–Conservation
Deflection
–Erosion control
–Resource conservation
Snow management
Snowpacks
Terrestrial habitats
–Trees
–Wildlife conservation
–Wildlife management
Windbreaks
Wind erosion

Shelters 1313.5
RT –Buildings
Civil defense
–Environmental engineering
Fallout
Greenhouses
Nuclear explosions
–Safety
Shields
–Underground structures

Shielding 1312
UF Nuclear shielding
NT Electromagnetic shielding
Radiation shielding
RT Absorbers
Attenuators
Baffles
–Deflectors
Fallout
Housings
Liner plates
–Linings
Louvers
Nuclear safety
Overhead ground wire
Panels
–Radiation
Radiation effects
Radioactive contamination
Shields
Suppression (electrical)

Shields 1303
RT –Deflectors
–Excavators
Flow deflectors
Protective coverings
–Screens
Shelters
–Shielding
Tunneling
Tunneling machines

Shigella 0613
BT –Aerobic bacteria
–Bacteria
–Microorganisms
–Plants (botany)
RT Pathogenic bacteria
Sewage bacteria

Shiners 0603.2
UF Notropis species
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Freshwater fish
–Wildlife

Shipping
USE Transportation

Ships 1310
NT Submarines
RT Admiralty
–Boats
Cruises
–Exploration
Hydrofoils
Jetsam
Lighthouses
Naval architecture
Navigation
Propellers
–Transportation
Water pollution sources

Shoaling 0803
RT Coasts
Deposition
Geomorphology
Navigation
Sediment concentration
Sediment control
–Sediment transport
Shallow water
Shoals

Shoals 0810
RT Coasts
Geomorphology
Navigation
Reefs
Sand bars
Sand spits
Shallow water
Shoaling

Shock (mechanics) 2011
RT –Blasts
Dynamic loads
Dynamic response
–Dynamic tests
Earthquake loads
–Earthquakes
–Explosions
Impact
Impact loads
–Liquefaction
–Loads (forces)
Nuclear excavation
–Seismic waves
Shear waves
Shock resistance
Shock tests
Shock tubes
Shock waves
Soil dynamics
Soil liquefaction
Transient stress
–Vibration

Shock (physiology) 0616
UF Shock treatment
RT –Accidents
Acoustic insulation
Burning
–Electrical insulators
Electrical shocking gear
–Electric current
Fences
Fish barriers
Fish guiding
Fish handling facilities
Fish ladders
Fishways
Impact
–Noise (sound)
–Safety
Shock waves

Shock resistance 2012
RT Dynamic response
Impact
Shock (mechanics)
Shock tests
–Vibration
Vibration damping

Shock tests 1402
BT –Tests
RT –Blasts
Dynamic response
–Dynamic tests
–Explosions
Impact loads
Impact tests
Laboratory tests
Seismic tests
Shear waves
Shock (mechanics)
Shock resistance
Shock tubes
Shock waves
Soil dynamics
Transient stress
Vibration tests

Shock treatment
USE Shock (physiology)

Shock tubes 1402
BT –Test facilities
–Tubes
RT Shock (mechanics)
Shock tests
Shock waves

Shock waves 2011
BT –Waves
RT –Blasts
Cushioning
Earthquake loads
–Earthquakes
–Elastic waves
–Explosions
Impact
Longitudinal waves
Mach number
Nuclear explosions
Seismic design
Seismic investigations
Seismic stability
Seismic tests
–Seismic waves
Shear waves
Shock (mechanics)
Shock (physiology)
Shock tests
Shock tubes
Soil dynamics
–Sound waves
Stress waves
Supersonic flow
Transient stress
Underground explosions
Underwater explosions
–Vibration
Vibration damping

Shoran
USE Position finding

Shore birds 0603.2
BT –Animals
–Birds
–Wildlife
RT Animal groupings
–Aquatic animals
–Aquatic life
Bird types

Shore birds (Con.)
–Migratory birds
–Non-game birds
Non-migratory birds
–Water birds
–Waterfowl

Shore erosion
USE Beach erosion

Shore-line cover 0606
BT –Vegetal cover
RT Food and cover crops
–Habitats
Marsh management
Nesting cover
–Shores
–Sites
Vegetation

Shorelines
USE Shores

Shore protection 1302
RT Anchored bulkheads
Bank protection
Banks
Beach erosion
Breakwaters
–Bulkheads
Coastal engineering
–Coastal structures
Dikes
Dunes
Gabions
Groins (structures)
Harbors
Ice loads
Jetties
Levees
Ocean beaches
–Ocean waves
–Piers
–Retaining walls
Revetments
Riprap
Rubble
Sea walls
–Shores
Slope protection
Wave action
Wave run-up
–Waves (water)

Shores 0806
UF Shorelines
BT –Land forms
NT Lake shores
National seashores
–Seashores
RT –Aquatic environment
–Beaches
Boundaries (property)
Coastal engineering
–Coastal structures
Coasts
Deltas
Drowned (submerged)
Intertidal areas
Lagoons (landforms)
Littoral drift
Littoral zone
Mud flats
Mud-water interfaces
Oceans
Offshore platforms
–Quaternary period
Reaches (distance)
Ripple marks
Shore-line cover
Shore protection
Surf
–Tides

Shoring 1313
RT –Bracing
Cribbing
Crib walls
–Excavation
–Formwork (construction)
–Foundations
–Frames
Jacking
–Jacks (mechanical)
Lagging
Ribs
Shafts (excavations)
Shafts (mining)
Struts
–Supports
Timbers
–Trenches

Short circuits 0903
BT –Electrical faults
–Electric power failure
RT –Circuits
Electric arcs
Protective relaying
Switching

Short-term planning 0501
BT –Planning
RT Long-term planning

Shotcrete 1303.1
UF Gunite
BT –Concretes
–Construction materials
RT Canal linings
–Coatings
–Concrete construction
Concrete linings
–Concrete placing
–Linings
–Mortars
Protective coverings
Pumped concrete
–Seepage
Surface sealing
–Tunnel construction
Tunnel linings
–Tunnels
Tunnel supports

Shoveler duck 0603.2
UF Spatula clypeata
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Shovels 1303
BT –Earth handling equipment
–Excavators
RT Clamshells
–Construction equipment
Draglines
Dredges
–Excavation
Hand tools
–Materials handling equipment

Shrimp 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Commercial shellfish
–Crustaceans
–Invertebrates
–Shellfish
NT Brine shrimp
Opossum shrimp
Pink shrimp

Shrinkage 1407
NT Soil shrinkage
RT Contraction
Cracking
Depreciation
–Expansion
–Expansive clays
–Expansive soils
–Growth
Internal forces
–Reduction
–Strain
Swelling
–Volume change

Shrubs 0603.1
UF Bushes
BT –Crops
–Dicots
–Horticultural crops
–Plants (botany)
NT Blueberries
Cranberries
Lilac
RT Browse utilization
–Brush
–Conifers
–Fruit crops
Highway beautification
Landscaping
–Ornamentals
Plant groupings
–Wildlife management

Shunt reactors 0901
RT Reactance
Switching surges
–Transmission (electrical)
–Transmission lines

Shunt resistors 0901
BT –Resistors
RT –Electric conductors
–Resistance
Switching surges
–Transmission (electrical)
–Transmission lines
–Voltage dividers

Shunts (electric)
USE Electric shunts

S-hydrographs
USE Unit hydrographs

Side channel spillways 1313.1
BT –Engineering structures
–Hydraulic structures
–Spillways
RT Bypasses
–Dams
–Energy dissipation
Flashboards
Floodways
Hydraulic engineering
–Outlets
Overflow
Spillway crests
Stilling basins
–Tunnels

Side friction
USE Friction

Sierozems 0807
UF Desert soils
BT –Alkaline soils
–Calcareous soils
–Pedocals
–Soil groups
–Soils
–Soil types
RT Alkali soils
Arid lands
Temperate

Sieve analysis 1402
BT –Analysis
–Gradation analysis
–Mechanical analysis
RT –Fines
Gradation
Grain sizes
Laboratory tests
–Measurement
Particle size
Screening
Sieves
–Size
Soil analysis
Uniformity coefficient

Sieves 1402
RT Baffles
–Filters
Gradation
–Mechanical analysis
Screening
–Screens
Sieve analysis
–Size

Sieve tubes
USE Phloem

Signal generators 0905
BT –Equipment
–Generators
RT –Circuits
–Converters (electrical)
Oscillators
–Transmitters

Silage 0204
BT –Feeds
RT Alfalfa
–Clovers
Corn (field)
–Grasses
Orchardgrass
Red clover
Silos
Sorghum
Soybeans
Sudangrass
Sugar beets

Silica 0702
BT –Chemical compounds
–Inorganic compounds
–Oxides
–Silicon compounds
RT Abrasives
Alkali aggregate reactions
Chert
Diatomaceous earth
Quartz
–Silicates
Silicon

Silicates 0807
BT –Chemical compounds
–Inorganic compounds
NT Bentonite
–Clay minerals
Illite
–Montmorillonite
Sodium silicate
Vermiculite
RT Chemical grouts
–Clays
Mineralogy
Silica
Silicon
–Soils

Silicon 0702
BT –Chemical elements
RT Silica
–Silicates
Silicon alloys
–Silicon compounds
Silicones

Silicon alloys 1106
BT –Alloys
–Metals
RT Silicon

Silicon compounds 0702 0703
BT –Chemical compounds
NT Silica
Silicones
RT Silicon

Silicones 0703
BT –Chemical compounds
–Organic compounds
–Silicon compounds
RT Polymers
Silicon

Silos 1313.5
BT –Containers
RT Bins
Cellular structures
–Concrete structures
Cylinders
Cylindrical bodies
Cylindrical shells
Silage
Steel structures
–Storage

Silt control
USE Sediment control

Silting 0808
BT –Separation techniques
NT Reservoir silting
RT Desilting
Regime theory
–Reservoirs
–Sedimentation
Sediment concentration
–Sediment deposits
Sedimentology
–Silts

Silts 0807
BT –Soils
–Soil types
NT Organic silts
RT –Aeolian soils
–Alluvial deposits
Alluvium
Bottom sediments
Cohesionless soils
Cohesive soils

231 UGS

Silts (Con.)
    –Finegrained soils
    –Fines
    –Fine-textured soils
    –Geologic deposits
    Grain sizes
    Impervious soils
    Lake soils
    –Loams
    Loess
    Mud
    Mudstone
    Particle size
    –Pervious soils
    Reservoir silting
    Rock flour
    –Sands
    Sediment control
    –Sediments
    –Silting
    Siltstone
    Silty loams
    Soil classifications
    Water pollution sources

Siltstone 0807
  BT –Rocks
    –Sedimentary rocks
  RT –Clays
    Claystones
    Mudstone
    Sandstone
    –Sediment deposits
    –Shale
    –Silts

Silt transport
  USE Sediment transport

Silty gravel
  USE Gravels

Silty loams 0807
  BT –Earth materials
    –Loams
    –Materials
    –Soils
    –Soil types
  RT –Aeolian soils
    –Alluvial deposits
    Alluvium
    –Clays
    Loess
    –Organic matter
    Organic silts
    –Sands
    –Silts

Silver 0702
  BT –Chemical elements
    –Metals
  RT Silver alloys
    –Silver compounds

Silver alloys 1106
  BT –Alloys
    –Metals
  RT Silver

Silver compounds 0702 0703
  BT –Chemical compounds
  NT Silver iodide
  RT Silver

Silver iodide 0702
  BT –Chemical compounds
    –Inorganic compounds
    –Silver compounds
  RT Cloud seeding
    Silver iodide generators

Silver iodide generators 0402.1
  BT –Equipment
    –Generators
  RT Cloud seeding
    Induced precipitation
    Nuclei generators
    Silver iodide
    –Weather modification

Silversides 0603.2
  UF Atherinidae
  BT –Animals
    –Aquatic animals
    –Aquatic life
    –Fish
    –Wildlife
  RT –Freshwater fish
    –Marine fish

Silvicides
  USE Herbicides

Silviculture
  USE Forest management

Similitude 1407
  NT Hydraulic similitude
  RT Froude number
    Laboratory tests
    –Models
    –Model studies
    Model tests
    Prototype tests
    Reynolds number
    Simulation
    Systems analysis
    –Tests
    Theoretical analysis
    Wind tunnels

Simulated rainfall 0402
  BT –Rainfall
  RT Hydrograph analysis
    Infiltration
    Rainfall simulators

Simulation 1407
  RT Analog computers
    Dynamic programming
    Electric analogs
    Game theory
    Hybrid computers
    Management analysis
    –Mathematical models
    –Models
    Model tests
    Monte carlo method
    –Operations research
    –Similitude
    Systems analysis
    Systems engineering
    –Tests

Sinkholes 0807
  BT –Land forms
  RT –Carbonate rocks
    Caves
    Dolomite
    –Groundwater
    Gypsum
    Karst
    Land subsidence
    –Leakage
    –Limestone
    Potholes
    Shallow subsidence
    Sinks
    Soluble rocks
    –Subsidence
    Terrain
    –Water loss

Sinking fund 0503
  RT Depreciation
    Replacement costs

Sinks 0807
  RT –Carbonate rocks
    Caves
    –Groundwater
    Gypsum
    Karst
    Land subsidence
    –Limestone
    Potholes
    Shallow subsidence
    Sinkholes
    –Subsidence
    –Subsurface drainage

Siphons 1313.1
  UF Inverted siphons
  BT –Closed conduits
    –Conduits
    –Conveyance structures
    –Hydraulic structures
  RT Aqueducts
    –Buried pipes
    Buried structures
    –Canals
    –Channels
    Crossings
    Culverts
    –Furrow irrigation
    Hoses
    Hydraulic conduits
    –Intakes
    –Intake structures
    Irrigation engineering
    Manholes
    –Outlets
    –Pipelines
    –Pipes
    –Pumps
    Sewers
    –Tubes
    Vacuum breakers
    Water conveyance
    Water distribution (applied)

Sites 1407
  NT Damsites
    Overwintering sites
    Reservoir sites
  RT –Exploration
    –Habitats
    Locating
    Locations
    –Mapping
    Nests
    Oviposition
    –Relocation
    Shore-line cover
    –Stations
    –Zoning

Site selection 1314
  RT Access routes
    Damsites
    Economic feasibility
    –Environmental engineering
    Feasibility studies
    –Geologic investigations
    Geologic mapping
    Locations
    –Planning
    Reconnaissance surveys
    Reservoir sites
    Reservoir surveys
    Right-of-way
    Soil surveys

Size 1407
  BT –Physical properties
  NT Grain sizes
    Particle size
    Pore size
  RT Acreage
    Areal
    Bulk
    –Dimensions
    Distance
    Gradation
    –Gradation analysis
    Graded
    Growth rates
    –Growth stages
    Mass
    Mean diameter
    Median diameter
    Scale (ratio)
    Screening
    –Screens
    –Shape
    Sieve analysis
    Sieves
    Volume

Skating (ice)
  USE Ice skating

Skewed structures 1313.5
  BT –Structures
  RT Asymmetry
    Bents (structural)
    Bridge piers
    –Bridges (structures)
    Crossings
    –Piers

Skids 1309
  RT Chutes
    Conveyances
    –Conveyors
    Sleds
    Trailers

Skiing 0511
  BT –Recreation
    –Winter sports
  RT –Recreation facilities
    –Snow
    Snow management
    Snowpacks
    Water skiing

Ski-jump spillways 1313.1
  BT –Hydraulic structures
    –Spillways
  RT Bypasses
    –Dams
    –Energy dissipation
    Flip buckets
    Floodways
    Hydraulic engineering
    Ogee crests
    –Outlets
    Overflow
    Plunge basins
    Stilling basins

Skimming 0701 1308
  BT –Separation
  RT Overflow
    Sedimentation tanks
    Sewage treatment plants
    –Sewage works

Skin friction 2004
  BT –Friction
    –Mechanical properties
  RT –Boundary layer
    Boundary shear
    –Coefficients
    –Drag
    –Fluid flow
    Fluid friction
    Friction coefficient (hydraulic)
    Friction coefficient (mechanical)
    Friction piles
    Negative friction
    Pile extraction
    Pile friction
    Positive friction
    Sliding resistance
    –Surface properties
    Test piles
    Uplift resistance

Slabs 1313
  RT Bridge decks
    –Buildings
    Concrete pavements
    –Concretes
    –Concrete structures
    –Construction joints
    Contraction joints
    Dam facings
    Dowels
    Expansion joints
    Flexible foundations
    Floors
    –Footings
    –Foundations
    Keyways
    Lift slab construction
    –Masonry
    Moistureproofing
    Mudjacking
    Pad footings
    –Pavements
    Pile caps
    –Reinforced concrete
    Revetments
    Small structures
    Spans
    Spread footings
    Spread foundations
    Structural concrete
    –Structural design
    –Structural members
    Transverse joints

Slags 1107
  RT –Aggregates
    Cinders
    Clinker
    –Wastes

Slaking 0701
  UF Slaking tests
  RT –Chemical reactions
    Clay shales
    –Decomposition
    Disintegration
    Hydration
    Lime
    Spalling

Slaking tests
  USE Slaking

State 0807
  BT –Crystalline rocks
    –Metamorphic rocks

Slate (Con.)
–Rocks
RT Roofing materials
Schist
–Shale

Sleds 1306
RT Conveyances
Skids
Trailers
–Transportation

Sleet 0402
BT –Precipitation (atmospheric)
RT –Freezing
Graupel
Highway icing
–Ice
Rain
–Snow
–Storms

Sleeve valves 1311
BT –Hydraulic valves
–Valves
RT Gate valves
Globe valves
Hollow jet valves
Plug valves

Slenderness ratio 1313.5
RT Columns
Length
–Structural design
–Structural members

Slide gates 1313.7
BT –Gates
–Hydraulic gates
RT Emergency gates
Floodgates
–Fluid mechanics
–Hoisting machinery
Metergates
–Outlet works
Sector gates
Sluice gates
Turnout gates

Sliding 1407
BT –Movement
RT –Earth movements
–Friction
–Landslides
Lubricants
Lubrication
Rockslides
Sliding resistance
Slip-circle method
Slipping
Slip planes
Slip surface
–Slope stability

Sliding resistance 2011
BT –Resistance
RT Dam stability
External friction
–Friction
Friction coefficient (mechanical)
Internal friction
Lubrication
Negative friction
Safety factors
Shear strength
Skin friction
Sliding
Slip-circle method
Slipping
–Slope stability
Slope stabilization
–Stability analysis
–Surface properties

Slime 0808
RT Muck
Mud
Scum
–Sludge

Slip-circle method 0813
BT –Analytical techniques
–Stability analysis
RT Cut slopes
Dam design
Dam stability
–Earth dams
Rock slope stability
Safety factors
Sliding
Sliding resistance
Slipping
Slip planes
Slip surface
–Slope stability
Soil mechanics
Soil stability

Slip forms 1303
BT –Formwork (construction)
RT Cast-in-place structures
–Concrete construction
–Concrete placing
–Construction equipment
–Construction methods
Lifts (construction)
–Masonry
–Tunnel construction

Slipping 1407
BT –Movement
RT –Friction
–Landslides
Lubrication
Rockslides
Sliding
Sliding resistance
Slip-circle method
Slip planes
Slip surface
–Slope stability

Slip planes 0813
RT Failure surfaces
Landslides
Rockslides
Rock slope stability
Safety factors
Sliding
Slip-circle method
Slipping
Slip surface
–Slope stability
–Stability
–Stability analysis

Slip rings 0901
BT –Rings
RT Commutators
–Electric generators
–Electric motors

Slip surface 0813
RT Failure surfaces
–Landslides
Rockslides
Rock slope stability
Safety factors
Sliding
Slip-circle method
Slipping
Slip planes
–Slope stability
–Stability analysis

Slope angles 1201
RT Angle of repose
Critical slopes
Cut slopes
Dam stability
Dynamic stability
–Earth dams
–Embankments
–Gradients
Rock slope stability
Safety factors
–Slopes
–Slope stability
–Stability analysis

Slope deflection method 1313.5
RT Design practices
–Structural analysis
–Structural design

Slope indicators 140[illegible]
UF Indicators (slope)
BT –Measuring instruments
RT Inclinometers
Tiltmeters

Slope protection 1302
RT Armoring (streambed)
Bank protection
Beaching
Concrete linings
Cut slopes
Dam facings
–Earth dams
–Embankments
–Erosion control
Gabions
Ice loads
–Membranes
Revetments
Riprap
Roadbanks
Rock blankets
Rockslides
Rock slope stability
Seeding
Shore protection
–Slopes
–Slope stability
Slope stabilization
Soil asphalt
Soil cement
Soil erosion
–Vegetation establishment
Zoned embankments

Slopes 0806
UF Inclines
NT Continental slope
Critical slopes
Cut slopes
RT Angles (geometry)
Bank erosion
Banks
Bank stability
Beaching
Berms
Canyons
Channel morphology
–Colluvium
Continental shelf
Creep
Density currents
–Earthworks
–Embankments
Energy gradient
–Flow control
Geomorphology
Graded
–Gradients
Grading (earthwork)
Hydraulic gradient
Lake morphometry
–Land forms
–Landslides
–Mass wasting
Mountains
Overland flow
Rainfall-runoff relationships
Regime
Roadbanks
–Runoff
Runoff forecasting
Safety factors
Seeding
Slope angles
Slope protection
–Slope stability
Slope stabilization
Snowpacks
Soil erosion
–Stability
–Stability analysis
Surface runoff
Talus
Thalweg
Topography
Turbidity currents
–Valleys

Slope stability 0813
BT –Stability
NT Rock slope stability
RT Angle of repose
–Avalanches
Bank stability
Channel improvements
Cut slopes
Dam failure
Dam stability
–Earth dams
–Embankments
–Erosion control
–Fills
–Landslides
Rapid drawdown
Roadbanks
Rockslides
Rolled fills
Safety factors
Sliding
Sliding resistance
Slip-circle method
Slipping
Slip planes
Slip surface
Slope angles
Slope protection
–Slopes
Slope stabilization
Soil mechanics
Soil stability
Soil stabilization
–Stability analysis
–Structural stability
–Vegetation establishment
Zoned embankments

Slope stabilization 0813
BT –Stabilization
RT Bank stabilization
Cribbing
Crib walls
Cut slopes
–Embankments
–Erosion control
–Fills
–Retaining walls
Revetments
Riprap
Rockslides
Rock slope stability
Sliding resistance
Slope protection
–Slopes
–Slope stability
Soil asphalt
Soil cement
Soil stabilization
Soil treatment
–Stability
–Vegetation establishment

Sloping intake structures 1313.1
BT –Engineering structures
–Hydraulic structures
–Intake structures
RT Chutes
–Debris barriers
Intake channels
Intake transitions

Slots 1407
RT –Bulkheads
Flow characteristics
–Fluid flow
Gate seals
–Hydraulic gates
–Hydraulic models
Stop logs

Sludge 1302.1
NT Activated sludge
Sewage sludge
RT Farm wastes
–Industrial wastes
–Organic wastes
Oxidation lagoons
Sanitary engineering
–Settling basins
–Sewage
Sewage disposal
Sewage treatment plants
–Sewage works
Slime
Sludge disposal
Sludge treatment
–Solid wastes
–Wastes

Sludge digestion 1302.1
UF Digestion (sludge)
BT –Biodegradation
–Decomposition
–Degradation (decomposition)
–Digestion
RT Activated sludge
Anaerobic digestion
Anaerobic processes
–Chemical degradation
Methane bacteria
Oxidation lagoons
Sewage treatment plants
Sludge disposal
Sludge treatment
Thermophilic bacteria

Sludge disposal 1302.1
BT –Disposal
–Waste disposal
RT Anaerobic digestion
Chlorination

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Sludge disposal (Con.)
–Degradation (decomposition)
Environmental sanitation
Incineration
–Lagoons (ponds)
Municipal wastes
Sanitary engineering
–Settling basins
Sewage disposal
Sewage lagoons
Sewage treatment plants
–Sludge
Sludge digestion
Sludge treatment
Waste storage

Sludge treatment 1302.1
BT –Treatment
–Waste treatment
RT Activated sludge
–Biodegradation
Biological treatment
–Chemical degradation
Cultures
–Drainage
Oxidation lagoons
Septic tanks
Sewage lagoons
–Sewage treatment
Sewage treatment plants
–Sludge
Sludge digestion
Sludge disposal
Soil amendments

Sludge worms 0603.2
BT –Animals
–Annelids
–Aquatic animals
–Aquatic life
–Benthic fauna
–Benthos
–Invertebrates
–Oligochaetes
–Worms

Slug flow 2004
RT Chutes
Chute spillways
Roll waves
Stilling basins
–Surges
–Unsteady flow

Sluice fills
USE Hydraulic fills

Sluice gates 1313.7
BT –Gates
–Hydraulic gates
RT Diversion structures
Floodgates
–Fluid mechanics
–Hoisting machinery
Radial gates
Roller gates
Sector gates
Slide gates
Sluices
Training walls
Turnout gates

Sluices 1313.1
BT –Conveyance structures
–Engineering structures
–Hydraulic structures
–Structures
RT –Channels
Chutes
Chute spillways
–Conduits
–Dams
Diversion dams
Diversion structures
Floodgates
–Flow
–Flumes
–Gates
Hydraulic mining
–Intakes
–Intake structures
Miter gates
–Outlets
–Outlet works
Placer mining
–Regulation
Sluice gates
–Valves
–Waterways

Slum clearance
USE Urban renewal

Slump 1407
RT Concrete mixes
–Concrete placing
Concrete properties
–Concretes
–Construction control
False set
Water-cement ratio
Workability

Slurries 1107
BT –Mixtures
RT Bentonite
Coagulation
Cutoffs
Drilling fluids
–Expansive clays
–Expansive soils
Hydraulic transportation
Lime
Liquids
Mixing
Mixing length
Mud
Puddling
Suspended solids
Suspension

Slush 0812
RT Firn
Frazil ice
–Freezing
–Ice
Melting
–Snow
–Water

Small animals (mammals) 0603.2
BT –Animals
NT Beavers
Gophers
Mink
Muskrats
–Rodents
RT Animal groupings
–Aquatic animals
–Furbearers
Laboratory animals
Mammal groupings
–Small game
–Wildlife

Small game 0603.2
BT –Animals
–Wildlife
NT Game birds
RT Fish and wildlife
–Furbearers
Hunting
–Mammals
–Rodents
–Small animals (mammals)

Smallmouth bass
USE Bass

Small structures 1313.5
UF Minor structures
BT –Structures
RT Appurtenances
Bifurcations
Building codes
–Buildings
–Concrete structures
–Construction
–Construction materials
Erection
–Hydraulic structures
Large structures
Roofs
Slabs
Trifurcations
–Walls

Small watersheds 0808
BT –Regions
–Watersheds (basins)
RT Agricultural watersheds
Farm ponds
Land use
Overland flow
Surface runoff

Smelts 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Marine animals
–Marine fish
–Saline water fish
–Wildlife
RT –Freshwater fish

Smog 0402
BT –Clouds
RT Aerosols
Air pollution effects
Ceilings (meteorology)
Cirrus clouds
–Condensation
Cumulus clouds
–Fog
Haze
Mist
–Mixtures
Particles
Smoke
Stratus clouds
Temperature inversions
–Vapors
Visibility

Smoke 2102
RT –Air pollution
Burning
Ceilings (meteorology)
Chimneys
Dispersion
–Dust
Effervescence
–Effluents
Fly ash
Incineration
–Mixtures
Particles
Smog
–Vapors
Visibility

Smolt 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Salmon
–Salmonids
–Wildlife
RT –Life cycles
Life expectancy

Smoothness 1407
BT –Physical properties
RT Contours
Friction tests
–Roughness
–Surface properties
Texture

Smooth rollers
USE Drum rollers

Smooth wall blasting 1315
BT –Blasting
RT –Blasts
Delay elements (explosives)
–Explosives
–Mining
Presplit blasting
Quarrying
Rock excavation
Tunneling

Smuts 0603.1
BT –Diseases
–Plant diseases
RT Epiphytology

Snails 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Gastropods
–Invertebrates
–Mollusks
–Shellfish
RT –Benthic fauna
Molluscacides

Snakes 0603.2
BT –Animals
–Reptiles
–Wildlife
RT –Aquatic animals

Snapdragons 0603.1
BT –Crops
–Dicots
–Horticultural crops
–Ornamentals
–Plants (botany)

Snow 0402 0812
BT –Groundwater sources
–Precipitation (atmospheric)
NT Firn
Graupel
RT Ablation
–Avalanches
Blizzards
Cloud seeding
Cryology
–Ice
–Melt water
Microenvironment
Orographic precipitation
Roof failures
–Runoff
Skiing
Sleet
Slush
Snow cover
Snowfall
Snow gages
Snow management
Snow mechanics
Snowmelt
Snow removal
Snowstorms
Snow surveys
–Storms
Sublimation
–Water supply forecasting
Weather

Snow cover 0812
RT Cold resistance
–Snow
Snow gages
Snow management
Snowmelt
Snowpacks
Snow surveys
–Water supply forecasting
Winterkilling

Snowfall 0402
RT Hydrologic cycle
–Precipitation gages
Roof failures
–Snow
Snow gages
Snow management
Snowmelt
Snow samplers
Water equivalent
–Water supply forecasting

Snow gages 0402
BT –Equipment
–Hydrologic instruments
–Measuring instruments
–Meteorological instruments
–Precipitation gages
RT –Snow
Snow cover
Snowfall
Snow management
Snowpacks
Snow samplers
–Water supply forecasting

Snow goose 0603.2
UF Chen hyperborea
BT –Animals
–Aquatic life
–Birds
–Geese (wild)
–Migratory birds
–Waterfowl
–Wildlife

Snow management 0808 0812
BT –Management
–Water management (applied)
–Water resources management
RT –Avalanches
Cloud seeding
Forest management
Forestry
–Forests
–Melt water
–Precipitation gages
–Runoff

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Snow management (Con.)
Shelterbelts
Skiing
–Snow
Snow cover
Snowfall
Snow gages
Snowmelt
Snowpacks
Snow removal
Snow surveys
Sublimation
Water conservation
–Water supply forecasting

Snow mechanics 0402
RT –Avalanches
Creep
–Snow
Snow removal

Snowmelt 0808
BT –Fresh water
–Melt water
–Water
–Water types
RT Ablation
Antecedent precipitation
Design storm
Flood hydrographs
Flood peaks
Glaciers
Intermittent streams
Melting
Overland flow
Peak runoff
–Radiation
–Runoff
Runoff forecasting
–Snow
Snow cover
Snowfall
Snow management
Snowpacks
Snow surveys
Storm runoff
Surface drainage
Surface runoff
Water equivalent
Water sources
Water supply
–Water supply forecasting

Snowpacks 0808 0812
UF Drift (snow)
RT Albedo
–Avalanches
Density stratification
–Drift
Firn
Glaciers
Liquid water content
Mountain forests
Shelterbelts
Skiing
–Slopes
Snow cover
Snow gages
Snow management
Snowmelt
Snow removal
Snow surveys
Water equivalent
–Water supply forecasting
–Water yield
Water yield improvement

Snow removal 1302.4
BT –Removal
RT Blizzards
Deicers
Deicing
–Heating
Ice prevention
Preheating
–Roads
–Snow
Snow management
Snow mechanics
Snowpacks

Snow samplers 0402
BT –Hydrologic instruments
RT Snowfall
Snow gages
Snow surveys
–Water supply forecasting

Snowslides
USE Avalanches

Snowstorms 0402
BT –Storms
RT Blizzards
–Snow
–Wind (meteorology)

Snow surveys 0808 0812
BT –Surveys
RT –Hydrologic instruments
–Snow
Snow cover
Snow management
Snowmelt
Snowpacks
Snow samplers
–Water supply forecasting
Weather forecasting

Soaking 0701 1308
RT –Flooding
–Heating
Impregnation
Preheating
Saturation
Submergence
Wetting

Soaps 1111
RT Cleaning
Detergents
Domestic water
Hardness (water)
–Surfactants
Water softening
Wetting agents

Soapstone
USE Talc

Social adjustment 0511
BT –Social aspects
RT Social change
Social function
Social impact
Social needs
Social participation
Social values
–Sociology

Social aspects 0511
NT Rural sociology
Social adjustment
Social impact
Urban sociology
RT Adoption of practices
Aesthetics
Area redevelopment
Attitudes
Decision making
–Economics
–Education
Employment opportunities
–Environments
Ethics
Federal government
Human behavior
Human resources
–Industries
Labor unions
Local governments
–Management
Motivation
–Population
Psychological aspects
Public health
Public opinion
–Recreation
Social change
Social function
Social needs
Social participation
–Social sciences
Social values
–Sociology
State governments
Third party effects
Water demand
Water resources development
Welfare (economics)

Social behavior 0511
BT –Animal behavior
–Behavior
RT Communication
Competition
–Environmental effects
Ethics
Fish behavior
Group dynamics
–Habitats
Human behavior
Parental care
Political aspects
–Population
Psychological aspects
–Recreation
Schools (fish)
–Sociology

Social change 0511
RT Social adjustment
–Social aspects
Social function
Social impact
–Social sciences
–Sociology

Social function 0511
RT Decision making
–Planning
Social adjustment
–Social aspects
Social change
Social participation

Social impact 0511
BT –Social aspects
RT Economic impact
–Employment
–Recreation
Social adjustment
Social change
Social mobility
Social values
–Sociology

Social mobility 0511
RT Community development
Labor mobility
–Migration
–Planning
Rural sociology
Social impact
Urban sociology

Social needs 0511
RT Occupations
Recreation demand
Social adjustment
–Social aspects
Social participation
Social values
–Sociology

Social orders
USE Sociology

Social participation 0511
RT Recreation demand
Social adjustment
–Social aspects
Social function
Social needs

Social problems
USE Sociology

Social sciences 0500
BT –Sciences
NT –Economics
–Geography
History
Political science
Rural sociology
–Sociology
Urban sociology
RT Group dynamics
–Social aspects
Social change
Social values

Social values 0511
BT –Value
RT Employee relations
Social adjustment
–Social aspects
Social impact
Social needs
–Social sciences
–Sociology

Sociology 0511
UF Social orders
Social problems
BT –Social sciences
NT Rural sociology
Urban sociology
RT Aesthetics
–Behavior
Communication
–Ecology
–Education
Ethics
Group dynamics
History
Human population
Industrial relations
–International law
–Organizations
Political science
Population growth
–Recreation
Social adjustment
–Social aspects
Social behavior
Social change
Social impact
Social needs
Social values
Urbanization
Work

Sockeye salmon 0603.2
UF Oncorhynchus kisutch
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Salmon
–Salmonids
–Wildlife
RT –Freshwater fish
–Marine fish

Sod
USE Turf

Sodium 0702
BT –Alkali metals
–Chemical elements
–Metals
RT Sodium alloys
Sodium carbonate
–Sodium compounds
Sodium nitrates
Sodium phosphates
Sodium radioisotopes
Sodium silicate
Sodium sulfate

Sodium alloys 1106
BT –Alloys
–Metals
RT Sodium

Sodium arsenite 0702
BT –Arsenicals (pesticides)
–Arsenic compounds
–Chemical compounds
–Chemicals
–Fumigants
–Inorganic compounds
–Inorganic pesticides
–Pesticides
–Sodium compounds

Sodium carbonate 0702
BT –Carbonates
–Carbon compounds
–Chemical compounds
–Sodium compounds
RT –Carbonate minerals
Sodium

Sodium chloride 0702
BT –Chemical compounds
–Chemicals
–Chlorides
–Chlorine compounds
–Halides
–Inorganic compounds
–Salts
–Sodium compounds
RT –Admixtures
Soil stabilization
Soil treatment

Sodium compounds 0702 0703
BT –Chemical compounds
NT Sodium arsenite
Sodium carbonate
Sodium chloride
Sodium nitrates
Sodium phosphates
Sodium silicate
Sodium sulfate
RT Sodium

Sodium nitrates 0702
BT –Chemical compounds
–Nitrates
–Nitrogen compounds
–Sodium compounds
RT Sodium

Sodium phosphates 0702
BT –Chemical compounds
–Phosphates
–Phosphorus compounds
–Sodium compounds
RT Sodium

Sodium radioisotopes 1802
BT –Chemical elements
–Isotopes
–Metals
–Radioisotopes
RT Sodium

Sodium silicate 0702
BT –Chemical compounds
–Inorganic compounds
–Silicates
–Sodium compounds
RT Chemical grouts
Sodium

Sodium sulfate 0702
BT –Chemical compounds
–Inorganic compounds
–Sodium compounds
–Sulfates
–Sulfur compounds
RT Sodium

Software (computers)
USE Computer systems programs

Softwood 0206 1112
BT –Building materials
–Materials
–Wood
RT Coniferous forests
–Coniferous trees
Deciduous forests
–Deciduous trees
–Forests
Lumber
–Trees

Soil aggregates 0807
BT –Aggregates
–Granular materials
RT –Earth materials
Fine aggregates
–Minerals
Soil asphalt
Soil cement
Soil components
Soil physics
–Soils
Soil structure

Soil algae 0613
BT –Algae
–Microorganisms
–Plants (botany)
–Soil microorganisms
RT Chlamydomonas
–Chrysophyta
Cyanophyta
–Natural resources

Soil amendments 0201 0813
BT –Additives
RT –Agricultural chemicals
Fertilizers
Infiltration
–Organic matter
Permeability
Sludge treatment
–Soil management
Soil physics
Soil structure
Soil texture
Soil treatment

Soil analysis 0807 0813
UF Soil testing
BT –Analysis
RT Bioassay
Bioindicators
–Chemical analysis
–Evaluation
Foreign tests
–Geochemistry
Laboratory tests
Mineral content
–Nutrients
Sieve analysis
Soil chemical properties
Soil chemistry
Soil classifications
Soil components
Soil density
Soil mechanics
–Soil physical properties
Soil physics
–Soil properties
–Soil samplers
–Soil tests
–Tests
Uniformity coefficient
Visual classifications

Soil asphalt 1303
BT –Construction materials
RT –Asphalts
Slope protection
Slope stabilization
Soil aggregates
Soil cement
–Soils
Soil sealants
Soil stabilization
Soil treatment

Soil bacteria 0613
BT –Bacteria
–Microorganisms
–Plants (botany)
–Soil microorganisms
NT Myxobacteria
RT Actinomycetes
Azotobacter
Clostridium
–Nitrogen fixing bacteria
Pseudomonas
Rhizosphere
Soil sterilants
–Sulfate reducing bacteria
Thiobacillus ferrooxidans

Soil-borne diseases 0605
BT –Diseases
RT Epiphytology
Soil sterilants

Soil cement 1303
BT –Construction materials
RT Bedding materials
–Cements
Dam facings
–Earth dams
–Earth materials
Lime soil mixtures
–Lined canals
–Pavements
Paving
–Portland cements
Slope protection
Slope stabilization
Soil aggregates
Soil asphalt
–Soils
Soil sealants
Soil stabilization
Soil treatment

Soil chemical properties 0813
BT –Chemical properties
–Properties
–Soil properties
RT Acidity
Alkalinity
–Conductivity
Drainage effects
Fertility
Irrigation effects
pH
Salinity
Soil analysis
Soil chemistry
Soil classifications
Soil disposal fields
Soil mechanics
Soil profiles
Soil resistivity
–Soils
Soil science
Soil stability
Soil stabilization
Soil structure
Trace elements

Soil chemistry 0807
BT –Chemistry
–Geochemistry
RT Agronomy
–Chemical properties
–Corrosion control
Osmotic pressure
Soil analysis
Soil chemical properties
Soil components
Soil engineering
Soil environment
Soil gases
Soil mechanics
–Soil physical properties
Soil physics
–Soil properties
–Soils
Soil science
Soil sealants
Soil stabilization
Soil structure

Soil classifications 0813
UF Unified soil classifications
BT –Classifications
RT Cobbles
–Colloids
Color
–Earth materials
Field classifications
Gradation
–Gradation analysis
Grain shapes
Grain sizes
–Gravels
–Mechanical analysis
Odor
–Silts
Soil analysis
Soil chemical properties
Soil components
Soil engineering
Soil formation
–Soil groups
–Soil horizons
Soil investigations
Soil maps
Soil mechanics
–Soil physical properties
Soil plasticity
Soil profiles
–Soil properties
–Soils
Soil science
–Soil tests
Soil texture
–Soil types
Subsoil
Symbols
Texture
Topsoil
Uniformity coefficient
Visual classifications
Wet condition

Soil compaction 0813
BT –Compaction
RT Compacted soils
–Compaction equipment
Compaction tests
–Construction
Densification
Dry density
–Earth dams
–Earthfill
–Earth materials
–Earthworks
–Fills
Impervious blankets
Optimum moisture content
–Pore pressure
Proctor curves
Puddling
Rapid compaction control
Remolded soil samples
Rolled fills
–Rollers
Rolling
Seepage control
Soil density
Soil density probes
Soil mechanics
–Soils
Soil stabilization
Soil structure
Soil surfaces
Soil treatment
Surface sealing
Vibratory compaction

Soil components 0813
UF Components (soil)
RT –Clays
Cobbles
–Colloids
–Earth materials
–Fines
–Gravels
Humus
–Minerals
–Organic matter
–Sands
Soil aggregates
Soil analysis
Soil chemistry
Soil classifications
Soil gases
Soil physics
–Soils
–Soil water
Soluble salts

Soil compression tests 0813 1402
UF Compression tests (soil)
BT –Compression tests
–Materials tests
–Soil tests
–Tests
RT –Axial compression
–Bearing capacity
Biaxial compression
–Compression
Compression curves
Compressive strength
Compressive stress
–Shear tests
Soil consolidation tests
–Soil properties
Triaxial compression
Triaxial tests
Unconfined compression
–Undrained shear tests

Soil conservation 0203
UF Land conservation
BT –Conservation
–Resource conservation
RT Agricultural engineering
–Civil engineering
Contour farming
Contours
–Cover crops
–Cultivation
Demonstration farms
Demonstration watersheds
–Drainage
Dust control
Dust storms
Eluvium
–Erosion control
Forest management
Irrigation engineering
–Land
Land development
Land preparation
Land reclamation
Landscaping
–Mass wasting
–Mulching
Range management
–Reclamation
–Runoff
Sediment control
Soil erosion
Soil investigations
–Soil management
Soil maps
Soil physics
Soil reclamation
–Soils
Soil stabilization
Soil-water-plant relationships
Soil water storage
Terraces
Terracing
–Vegetation establishment
Water conservation
–Wildlife management
Wind erosion

Soil consolidation tests 0813 1402
UF Consolidation tests (soil)
BT –Materials tests
–Soil tests
–Tests
RT Compressibility

Soil consolidation tests (Con.)
–Consolidation
–Deformation
–Settlement (structural)
Soil compression tests
–Soil properties

Soil contamination 0201
UF Pollution (soils)
BT –Contamination
RT –Agricultural chemicals
Detergents
Environmental sanitation
Fallout
–Industrial wastes
Microenvironment
Morbidity
Mortality
Path of pollutants
Pesticide residues
Pollutant identification
Pollutants
Pollution abatement
–Pollution control
Public health
Radioactivity
Soil contamination effects
Soil environment
Soil sterilants
Soil treatment
–Toxins

Soil contamination effects 0201
BT –Effects
RT –Contamination
–Diseases
Phytotoxicity
Soil contamination
Stream pollution
–Toxicity
–Water pollution

Soil density 0813
BT –Density
–Physical properties
–Soil physical properties
–Soil properties
RT Compacted soils
Compaction tests
Dry density
Hardpan
Impervious soils
In place density
Loose soils
–Nuclear meters
Penetration resistance
Porosity
Preconsolidated soils
Preloading
Proctor curves
Rapid compaction control
Soil analysis
Soil compaction
Soil density probes
Soil liquefaction
Soil physics
Soil strength
Soil structure
Surface sealing
–Void ratio
Wet weight

Soil density probes 1402
UF Density probes (soil)
Sediment density probes
BT –Instrumentation
RT In place density
Nuclear density meters
–Nuclear meters
Soil compaction
Soil density

Soil dispersants 0813
BT –Chemicals
–Dispersants
RT Dispersion
Soil treatment

Soil disposal fields 1302.1
UF Disposal fields
Drain field
RT –Aerobic bacteria
–Biodegradation
Farm wastes
Municipal wastes
Oxidation lagoons
Permeability
Septic tanks
Soil chemical properties
–Soil physical properties
–Soil properties
Soil treatment
–Waste treatment

Soil dynamics 0813
BT –Dynamics
RT –Damping
Design earthquake
Dynamic loads
Dynamic response
Dynamic stability
–Dynamic tests
Earthquake engineering
Earthquake loads
–Earthquakes
–Elastic waves
Repeated loading
Seismic design
Seismic stability
Seismic tests
Shear waves
Shock (mechanics)
Shock tests
Shock waves
Soil engineering
Soil mechanics
–Soils
Soil stability
Stress waves
Transients
–Vibration
Vibration tests

Soil engineering 0813
BT –Civil engineering
–Engineering
RT –Earth materials
Soil chemistry
Soil classifications
Soil dynamics
Soil mechanics
Soil physics
–Soils
Soil science
–Soil tests

Soil environment 0813
BT –Environments
RT Compacted soils
–Cultivation
Microenvironment
Moisture availability
Rhizosphere
Soil chemistry
Soil contamination
Soil gases
–Soil management
Soil microbiology
–Soil moisture
–Soil physical properties
–Soil properties
–Soils
Soil science
Soil structure
Soil surfaces
Soil temperature
–Soil types
–Soil water
Soil-water-plant relationships

Soil erosion 0807
UF Control (soil erosion)
Erosion control (soil)
Land erosion
BT –Erosion
RT Bank erosion
Bank protection
Beach erosion
Channel erosion
–Cultivation
Dust storms
–Erosion control
Ground cover
Gully erosion
Land reclamation
–Landslides
–Mass wasting
Peak runoff
Precipitation excess
Rain
–Rainfall
Rill erosion
–Runoff
Sheet erosion
Sheet floods
Slope protection
–Slopes
Soil conservation
Soil mechanics
Soil physics
–Soils
Soil stability
Soil stabilization
Strip cropping
Surface runoff
–Vegetation establishment
Wind erosion

Soil formation 0807
RT Detrital soils
Humus
Residual soils
Soil classifications
Soil investigations
Soil physics
Soil science
Volcanic ash
Weathering

Soil fungi 0613
BT –Fungi
–Microorganisms
–Plants (botany)
–Soil microorganisms
RT Rhizosphere
Soil sterilants
Verticillium

Soil gases 0807
BT –Gases
RT Aeration
Carbon dioxide
Nitrogen
–Oxygen
Soil chemistry
Soil components
Soil environment
Soil physics
Soil-water-plant relationships

Soil groups 0807 0813
NT Brown soils
Chernozems
Chestnut soils
Gray-brown podzolic soils
Laterites
–Podzols
Prairie soils
Red podzolic soils
Sierozems
Yellow podzolic soils
RT –Pedalfers
–Pedocals
–Regions
Soil classifications
Soil investigations
Soil physics
–Soils
Soil science
–Soil types

Soil horizons 0807
NT A horizon
B horizon
C horizon
RT Agronomy
–Azonal
Land classification
Soil classifications
Soil investigations
Soil maps
Soil profiles
–Soils
Soil science
Soil surveys
Soil texture
–Soil types
Strata
Stratigraphy
Subsoil
Topsoil

Soil improvement
USE Soil management

Soil investigations 0813
BT –Investigations
RT Auger borings
–Borehole cameras
–Borrow areas
Borrow materials
Denison samplers
Disturbed samples
Drill holes
Drive samplers
–Earth dams
–Earth materials
Electrical resistivity
–Exploration
Field classifications
Field data
–Field investigations
Foundation bearing tests
Foundation investigations
–Geologic investigations
Hand augers
In place density
Land classification
Land reclamation
–Logging (recording)
Logs
–Maps
Nuclear moisture meters
Penetration resistance
Penetration tests
Petrographic investigations
Piston samplers
–Pits
Preliminary investigations
Reconnaissance surveys
Remolded soil samples
Resistivity surveys
Rotary drilling
–Sampling
Sediment sampling
Seismic investigations
Soil classifications
Soil conservation
Soil formation
–Soil groups
–Soil horizons
Soil maps
Soil mechanics
Soil profiles
–Soil properties
Soil resistivity
–Soils
–Soil samplers
Soil science
Soil surveys
–Soil tests
–Soil types
Sounding
Subsurface investigations
Subsurface mapping
–Surveying
–Surveys
Test holes
Test pits
–Trenches
Undisturbed samples
Visual classifications

Soil leaching
USE Leaching

Soil lime mixtures
USE Lime soil mixtures

Soil liquefaction 0813
BT –Liquefaction
RT Critical density
–Earthquakes
–Failure (mechanics)
–Moisture content
Mudflows
–Sands
Saturated soils
Seismic stability
Shock (mechanics)
Soil density
–Soils
Soil stability
–Vibration

Soil management 0203
UF Soil improvement
BT –Management
NT Chiselling
Contour farming
–Cultivation
Deep tillage
Fallowing
Stubble mulching
RT –Agronomic crops
Agronomy
–Cereal crops
–Crops
Cultivated lands
–Erosion control
Farm management
–Forages
Forest soils
Infiltration
–Irrigation practices
–Land management
Land reclamation

Soil management (Con.)
Leaching
–Mulching
Pasture management
Planting management
Seeding
Soil amendments
Soil conservation
Soil environment
–Soil moisture
Soil physics
Soil reclamation
–Soils
Soil sterilants
Soil surveys
Soil treatment
–Soil water
Soil-water-plant relationships
Strip cropping
Terraces
Terracing
Topsoil
Watershed management

Soil maps 0807
BT –Maps
RT Geologic maps
–Mapping
Photogrammetry
Photointerpretation
Soil classifications
Soil conservation
–Soil horizons
Soil investigations
Soil profiles
Soil science
Soil surveys
–Soil types
Undisturbed soils

Soil mechanics 0813
BT –Mechanics
RT –Civil engineering
Compaction tests
Compressive strength
–Consolidation
Dam design
Differential settlement
Drained shear tests
–Earth dams
–Earth materials
–Earth pressure
–Earthworks
–Excavation
Flexible foundations
–Footings
–Foundations
Frost heaving
–Heaving
Hydraulic fill dams
–Hydraulics
–Landslides
–Mass wasting
Mohr circle
Mohr envelope
Mohr failure theory
Negative pore pressure
Permafrost
Pore air pressure
–Pore pressure
Pore water pressure
Rock mechanics
–Seepage
–Settlement (structural)
Slip-circle method
–Slope stability
Soil analysis
Soil chemical properties
Soil chemistry
Soil classifications
Soil compaction
Soil dynamics
Soil engineering
Soil erosion
Soil investigations
Soil physics
Soil plasticity
Soil pressure
–Soil properties
–Soils
Soil stability
Soil stabilization
Soil strength
Soil structure
–Soil tests
–Stability analysis

Soil microbiology 0613
BT –Microbiology
RT –Biodegradation
–Diseases
–Ecology
Nematodes
Plant growth substances
Planting management
–Plant pathology
Rhizosphere
Soil environment
–Soil microorganisms
Soil science

Soil microorganisms 0613
BT –Microorganisms
NT Myxobacteria
Soil algae
–Soil bacteria
Soil fungi
RT Actinomycetes
Clostridium
Competition
Cultures
Nematodes
–Nitrogen fixing bacteria
Plant growth substances
Protozoa
Rhizosphere
Soil microbiology
Soil sterilants
Verticillium
Yeasts

Soil moisture 0813
(this term is nearly synonymous with soil water. consider also soil water)
UF Rhizic water
Uniform soil moisture conditions
BT –Moisture
NT –Capillary water
Excess water (soils)
Fringe water
Hygroscopic water
RT Adsorbed water
Bouyoucos blocks
–Diffusion
–Evapotranspiration
Fallowing
Field capacity
Heat of hydration
–Heaving
Humidity
Hysteresis
Infiltration
Moisture availability
–Moisture content
Moisture tension
Nuclear moisture meters
Osmotic pressure
Percolation
Permeability
Proctor curves
Rapid compaction control
Retention
Root zone
Soil environment
–Soil management
Soil moisture meters
Soil moisture movement
Soil physics
–Soils
Soil stabilization
Soil temperature
–Soil types
–Soil water
Soil water movement
Soil-water-plant relationships
Soil-water relationship
Soil water storage
Subsurface moisture
–Subsurface waters
Tensiometers
–Water content
–Water utilization
Wetting front
Wilting point
Workability
–Zone of aeration

Soil moisture meters 1402
UF Soil moisture probe
BT –Instrumentation
–Measuring instruments
–Moisture meters
RT Bouyoucos blocks
–Moisture content
–Nuclear meters
Nuclear moisture meters
–Soil moisture

Soil moisture movement 0808.1
RT Capillarity
Capillary conductivity
–Drainage
Drainage engineering
–Groundwater
Groundwater flow
Groundwater movement
Hydraulic conductivity
Infiltration
Permeability
Porosity
–Seepage
–Soil moisture
–Soils
–Soil water
Soil water movement
Soil-water relationship

Soil moisture probe
USE Soil moisture meters

Soil physical properties 0813
BT –Physical properties
–Properties
–Soil properties
NT Air void ratio
Relative consistency
Relative density
Soil density
Soil strength
Soil structure
Soil temperature
Soil texture
–Void ratio
RT Bearing strength
Capillary action
Capillary tubes
–Compaction
Compressibility
Compressible soils
–Conductivity
Dry density
Dry weight
–Earth materials
Fertility
Gradation
Grain shapes
Grain sizes
–Heaving
–Hydrologic properties
Infiltration
–Mechanical analysis
Particle size
Percolation
Permeability
–Plasticity
–Pore pressure
Porosity
Shear strength
Soil analysis
Soil chemistry
Soil classifications
Soil disposal fields
Soil environment
Soil mechanics
Soil physics
Soil resistivity
–Soils
Soil stabilization
Soil water movement
Trafficability
Uniformity coefficient
Vapor pressure
Wettability
Wet weight

Soil physics 0813
BT –Physics
RT Adsorbed water
Agricultural engineering
–Earth materials
–Morphology
–Osmosis
Osmotic pressure
Soil aggregates
Soil amendments
Soil analysis
Soil chemistry
Soil components
Soil conservation
Soil density
Soil engineering
Soil erosion
Soil formation
Soil gases
–Soil groups
–Soil management
Soil mechanics
–Soil moisture
–Soil physical properties
Soil profiles
–Soil properties
Soil resistivity
–Soils
Soil stability
Soil stabilization
Soil strength
Soil structure
Soil surfaces
Soil surveys
Soil temperature
Soil texture
–Soil types
–Soil water
Soil water movement
Soil-water-plant relationships
Soil-water relationship
Visual classifications

Soil-plant-water relationships
USE Soil-water-plant relationships

Soil plasticity 0813
BT –Mechanical properties
–Plasticity
RT –Atterberg limits
Cohesive soils
Compressibility
–Consistency
Index tests
Liquid limit
Plastic deformation
Plasticity index
Plastic limits
Soil classifications
Soil mechanics
–Soil properties
–Soils
Soil shrinkage
–Soil tests

Soil pressure 0813
BT –Pressure
RT At rest pressure
–Compaction
–Earth dams
–Earth pressure
–Loads (forces)
Poisson ratio
–Pore pressure
Pressure distribution
Rankine pressure
–Retaining walls
Rock pressures
Soil mechanics
–Soil properties
Soil stability
–Stress
Uplift pressure

Soil profiles 0807
UF Soil sections
BT –Profiles
RT A horizon
B horizon
C horizon
Lenses (soils)
–Logging (recording)
Logs
Penetration resistance
Soil chemical properties
Soil classifications
–Soil horizons
Soil investigations
Soil maps
Soil physics
–Soils
Soil science
Soil surveys
–Soil types
Stratigraphy
Subsoil
Subsurface investigations
Subsurface mapping
Test pits
Topsoil
Weathering

Soil properties 0813
BT –Properties
NT –Atterberg limits
Liquid limit
Plasticity index
Plastic limits
Relative consistency
Relative density
Soil chemical properties

Soil properties (Con.)
Soil density
—Soil physical properties
Soil resistivity
Soil stability
Soil strength
Soil structure
Soil temperature
Soil texture
—Void ratio
RT Acidity
Alkalinity
Angle of repose
Bank stability
—Biological properties
Bulking
Capillarity
Cohesion
Cohesive strength
Compressibility
Compressible soils
Compression curves
—Consistency
Drainage effects
Dry density
Dry weight
Dynamic stability
—Earth materials
Earth resistivity (electrical)
Fertility
Friction coefficient (mechanical)
Gradation
Grain shapes
Grain sizes
—Hydrologic properties
Impervious soils
Infiltration
In place density
Internal friction
Irrigation effects
—Mechanical properties
Negative pore pressure
Particle size
Percolation
Permeability
—Plasticity
Porosity
Sensitivity
Shear strength
Soil analysis
Soil chemistry
Soil classifications
Soil compression tests
Soil consolidation tests
Soil disposal fields
Soil environment
Soil investigations
Soil mechanics
Soil physics
Soil plasticity
Soil pressure
—Soils
Soil science
Soil stabilization
Soil suction
—Soil tests
Soil water movement
Specific gravity
Specific surface
Specific weight
Texture
Trafficability
Wettability
Workability

Soil reclamation 0203
BT —Reclamation
RT —Alkaline soils
—Drainage
—Irrigation
Land reclamation
Leaching
Saline soils
Soil conservation
—Soil management
Soil science
Soil treatment

Soil resistivity 0813
BT —Resistivity
—Soil properties
RT —Boundaries (surfaces)
Cathodic protection
Corrosion currents
Earth resistivity (electrical)
Electrical resistivity
Ground currents
Soil chemical properties
Soil investigations
—Soil physical properties
Soil physics
Underground corrosion

Soils 0807 0813
UF Earth (soil)
Edaphology
BT —Construction materials
—Earth materials
—Materials
NT —Acidic soils
Adobe
—Aeolian soils
—Alkaline soils
Alkali soils
Anaerobic soils
Aquatic soils
Beach sands
Bentonite
Brown soils
—Calcareous soils
Caliche
Chestnut soils
Clay loam
—Clays
Cohesionless soils
Cohesive soils
—Colluvium
Compacted soils
Compressible soils
Detrital soils
Diatomaceous earth
Dune sands
—Expansive clays
—Expansive soils
—Finegrained soils
—Frozen soils
Glacial soils
—Gravels
Gray-brown podzolic soils
Gumbo
Hardpan
Impervious soils
Kaolin
Lacustrine deposits
Lake soils
Laterites
—Loams
Loess
Loose soils
Marine clays
Marl
Mud
Organic clays
Organic silts
—Organic soils
Pea gravel
Peat
—Pervious soils
—Podzols
Prairie soils
Preconsolidated soils
Pumice
Quick clays
Quicksand
Red podzolic soils
Residual soils
Rock flour
—Sands
Saturated soils
Sierozems
—Silts
Silty loams
Subsoil
Talus
Topsoil
Unconsolidated soils
Undisturbed soils
Unsaturated soils
Volcanic ash
Yellow podzolic soils
RT Agriculture
Agronomy
—Alluvial deposits
Backfills
Bank stability
—Biology
Borrow materials
Canal linings
Debris avalanches
—Embankments
—Geologic formations
—Geology
—Land
Lime soil mixtures
Mineral content
—Natural resources
Overburden
Overconsolidation
—Petrography
—Rocks
—Sediments
—Silicates
Soil aggregates
Soil asphalt
Soil cement
Soil chemical properties
Soil chemistry
Soil classifications
Soil compaction
Soil components
Soil conservation
Soil dynamics
Soil engineering
Soil environment
Soil erosion
—Soil groups
—Soil horizons
Soil investigations
Soil liquefaction
—Soil management
Soil mechanics
—Soil moisture
Soil moisture movement
—Soil physical properties
Soil physics
Soil plasticity
Soil profiles
—Soil properties
—Soil samplers
Soil science
Soil shrinkage
Soil stability
Soil stabilization
Soil structure
—Soil tests
Soil texture
Soil treatment
—Soil types
Spoil
—Stratification
Terrestrial habitats
Underconsolidation
—Void ratio

Soil samplers 1402
BT —Samplers
NT Denison samplers
Drive samplers
Piston samplers
RT —Augers
Disturbed samples
Hand augers
Remolded soil samples
—Samples
—Sampling
Sediment samplers
Sediment sampling
Soil analysis
Soil investigations
—Soils
—Soil tests
Undisturbed samples

Soil science 0813
UF Pedological systems
Pedology
BT —Sciences
RT Agronomy
—Geology
Mineralogy
Soil chemical properties
Soil chemistry
Soil classifications
Soil engineering
Soil environment
Soil formation
—Soil groups
—Soil horizons
Soil investigations
Soil maps
Soil microbiology
Soil profiles
—Soil properties
Soil reclamation
—Soils
Soil surfaces
Soil surveys
Soil texture
—Soil types
Soil-water relationship

Soil sealants 1101
BT —Sealants
RT Cationic asphalt emulsions
Chemical sealants
Cutback asphalts
—Seepage
Seepage control
Seepage losses
Soil asphalt
Soil cement
Soil chemistry
Soil stabilization
Soil treatment
Soil water movement
Surface sealing
Waterproofing
Watertight

Soil sections
USE Soil profiles

Soil shrinkage 0813
BT —Shrinkage
RT Capillarity
—Consolidation
—Drying
Negative pore pressure
Soil plasticity
—Soils
—Water content

Soil stability 0813
BT —Soil properties
—Stability
RT Bank stability
—Biological properties
Dynamic stability
—Failure (mechanics)
—Landslides
Neutral stress
—Physical properties
Quick clays
Shear failure
Slip-circle method
—Slope stability
Soil chemical properties
Soil dynamics
Soil erosion
Soil liquefaction
Soil mechanics
Soil physics
Soil pressure
—Soils
Soil stabilization
Soil strength
Soil structure
Soil treatment
—Stability analysis

Soil stabilization 0813
BT —Stabilization
RT —Asphalt emulsions
Bank stability
Bank stabilization
Blanket grouting
Calcium chloride
Chemical sealants
Chrome lignins
Cutback asphalts
Densification
Electroosmosis
—Erosion control
Impregnation
Lime
Lime soil mixtures
—Retarding agents
—Salts
—Sealants
—Slope stability
Slope stabilization
Sodium chloride
Soil asphalt
Soil cement
Soil chemical properties
Soil chemistry
Soil compaction
Soil conservation
Soil erosion
Soil mechanics
—Soil moisture
—Soil physical properties
Soil physics
—Soil properties
—Soils
Soil sealants
Soil stability
Soil strength
Soil treatment
Solidification

Soil sterilants 0606
BT —Chemicals
—Pesticides
—Poisons
—Sterilants
RT —Fumigants

Soil sterilants (Con.)
Nematodes
Persistence
–Pest control
–Soil bacteria
Soil-borne diseases
Soil contamination
Soil fungi
–Soil management
–Soil microorganisms
Soil treatment

Soil strength 0813
BT –Physical properties
–Properties
–Soil physical properties
–Soil properties
–Strength
RT Cohesion
Cohesive strength
Effective stress
Neutral stress
–Physical properties
–Pore pressure
Shear strength
Soil density
Soil mechanics
Soil physics
Soil stability
Soil stabilization
Soil texture
Strain rate

Soil structure 0807 0813
UF Tilth
BT –Physical properties
–Soil physical properties
–Soil properties
–Structure
RT –Clay minerals
Infiltration
Moisture tension
–Morphology
Percolation
–Pore pressure
Porosity
Soil aggregates
Soil amendments
Soil chemical properties
Soil chemistry
Soil compaction
Soil density
Soil environment
Soil mechanics
Soil physics
–Soils
Soil stability
Soil texture
–Soil types
–Void ratio
Voids

Soil suction 0813
BT –Suction
RT Capillary action
Cohesion
Cohesive strength
Moisture tension
Negative pore pressure
–Negative pressure
–Soil properties
Surface tension

Soil surfaces 0813
BT –Surfaces
RT Air-earth interfaces
–Earth-water interfaces
Impact (rainfall)
Infiltration
Interception
Mud-water interfaces
–Mulching
Soil compaction
Soil environment
Soil physics
Soil science
Subsoil
Surface sealing
Topsoil
Vegetation effects
–Vegetation establishment

Soil surveys 0807 0813
BT –Surveys
RT –Mapping
–Profiles
Reconnaissance surveys
–Regions
Site selection
–Soil horizons
Soil investigations
–Soil management
Soil maps
Soil physics
Soil profiles
Soil science
–Soil types
Soil-water-plant relationships

Soil temperature 0807
BT –Soil physical properties
–Soil properties
–Temperature
RT Microenvironment
Soil environment
–Soil moisture
Soil physics
–Soil water
Soil-water-plant relationships

Soil testing
USE Soil analysis

Soil tests 0813 1402
BT –Materials tests
–Tests
NT Index tests
Soil compression tests
Soil consolidation tests
–Undrained shear tests
Vane shear tests
RT Acceptance tests
–Analytical techniques
–Atterberg limits
California bearing ratio
Cohesion
Cohesive strength
Compaction tests
–Compression tests
Disturbed samples
Drained shear tests
Dry density
–Earth materials
Effective stress
–Field tests
Filter tests
Foreign tests
–Gradation analysis
Impact tests
In place density
–In situ tests
Laboratory tests
–Mechanical analysis
Model tests
Mohr circle
Mohr envelope
Neutral stress
Penetration resistance
Penetration tests
Penetrometers
–Permeability tests
–Physical properties
Plasticity index
Plastic limits
Plate load tests
Proctor curves
Rapid compaction control
Relative consistency
Relative density
Remolded soil samples
–Shear tests
Soil analysis
Soil classifications
Soil engineering
Soil investigations
Soil mechanics
Soil plasticity
–Soil properties
–Soils
–Soil samplers
Static tests
Test procedures
Test specimens
Triaxial tests
Unconfined compression
Undisturbed samples
–Void ratio

Soil texture 0807 0813
BT –Soil physical properties
–Soil properties
RT Clay loam
–Fine-textured soils
Flocculation
Gradation
Grain shapes
Grain sizes
Impervious soils
Infiltration
–Morphology
Percolation
Permeability
–Pervious soils
Porosity
Soil amendments
Soil classifications
–Soil horizons
Soil physics
–Soils
Soil science
Soil strength
Soil structure
–Soil types
Uniformity coefficient

Soil treatment 0813
BT –Treatment
RT Application equipment
–Application methods
Calcium chloride
–Cultivation
Fertilization
Impregnation
Lime soil mixtures
Neutralization
–Pest control
–Pesticides
–Retarding agents
Salt removal
Slope stabilization
Sodium chloride
Soil amendments
Soil asphalt
Soil cement
Soil compaction
Soil contamination
Soil dispersants
Soil disposal fields
–Soil management
Soil reclamation
–Soils
Soil sealants
Soil stability
Soil stabilization
Soil sterilants
Solidification
Wetting agents

Soil types 0807 0813
Use of a more specific term is recommended
NT –Acidic soils
–Aeolian soils
–Alkaline soils
Alkali soils
Alluvium
Aquatic soils
–Azonal
Beach sands
Bentonite
Brown soils
–Calcareous soils
Caliche
Chestnut soils
Clay loam
–Clays
Cohesionless soils
Cohesive soils
Compacted soils
Compressible soils
Dune sands
–Expansive clays
–Expansive soils
–Finegrained soils
–Fine-textured soils
Forest soils
–Frozen soils
Glacial soils
–Gravels
Gray-brown podzolic soils
Gumbo
Hardpan
Hydrosols (soils)
Impervious soils
Lake soils
Laterites
–Loams
Loess
Marl
Organic clays
Organic silts
–Organic soils
Paleosols
Pea gravel
–Pedocals
Permafrost
–Pervious soils
–Podzols
Prairie soils
Quick clays
Quicksand
Red podzolic soils
Residual soils
Rock flour
Saline soils
–Sands
Saturated soils
Sierozems
–Silts
Silty loams
Topsoil
Yellow podzolic soils
RT Alpine
–Colluvium
Deltas
Eluvium
Gravitational water
Humus
Infiltration
Microenvironment
Mud
Peat
–Pedalfers
Soil classifications
Soil environment
–Soil groups
–Soil horizons
Soil investigations
Soil maps
–Soil moisture
Soil physics
Soil profiles
–Soils
Soil science
Soil structure
Soil surveys
Soil texture
–Soil water
Soil-water-plant relationships
Tundra

Soil water 0807 0813
(this term is nearly synonymous with soil moisture. consider also soil moisture)
BT –Subsurface waters
–Water
–Water types
NT –Capillary water
Excess water (soils)
Fringe water
Hygroscopic water
–Vadose water
RT Adsorbed water
–Aquifers
Capillary pressure
–Diffusion
Drainage effects
Fallowing
Frost heaving
Gravitational water
–Groundwater
Hydrologic cycle
Infiltration
Leaching
Lysimeters
Microenvironment
Moisture availability
Moisture tension
Outflows
Percolation
Permeability
Pesticide kinetics
–Phreatic water
–Phreatophytes
Pore water pressure
Quicksand
Retention
–Runoff
Soil components
Soil environment
–Soil management
–Soil moisture
Soil moisture movement
Soil physics
Soil temperature
–Soil types
Soil water movement
Soil-water-plant relationships
Soil-water relationship
Soil water storage
Storage capacity
Subsurface moisture
–Surface waters
Tensiometers
Unsaturated soils
–Water utilization

Soil water (Con.)
–Zone of aeration

Soil water movement 0808.1
BT –Flow
–Movement
RT Capillarity
Capillary action
Capillary tubes
Darcys law
–Diffusion
–Drainage
–Evaporation
–Evapotranspiration
Flow patterns
Frost action
Frost heaving
Groundwater movement
Ice lenses
Infiltration
Infiltration capacity
Infiltration rate
Outflows
Percolation
Permeability
–Pervious soils
Porosity
–Recharge
–Soil moisture
Soil moisture movement
–Soil physical properties
Soil physics
–Soil properties
Soil sealants
–Soil water
Soil-water relationship
Soil water storage
Stemflow
Subsurface flow
Subsurface runoff
Transpiration
–Unsaturated flow
–Water table
–Zone of aeration

Soil-water-plant relationships
0204
UF Plant-soil-water relationships
Plant-water-soil relationships
Soil-plant-water relationships
Water-plant-soil relationships
Water-soil-plant relationships
RT Aeration
–Biology
Drainage effects
Irrigation effects
Irrigation efficiency
–Irrigation practices
–Moisture
Nutrient requirements
–Plant growth
Root distribution
Root systems
Root zone
Soil conservation
Soil environment
Soil gases
–Soil management
–Soil moisture
Soil physics
Soil surveys
Soil temperature
–Soil types
–Soil water
Stubble mulching
Water conservation

Soil-water relationship 0808.1
RT –Groundwater
–Irrigation
Outflows
–Soil moisture
Soil moisture movement
Soil physics
Soil science
–Soil water
Soil water movement
Soil water storage

Soil water storage 0808
BT –Storage
–Water storage
RT Bank storage
–Groundwater
Pore size
Soil conservation
–Soil moisture
–Soil water
Soil water movement
Soil-water relationship

Solanum tuberosum
USE Potatoes

Solar activity
USE Solar disturbances

Solar distillation 1302.5
UF Humidification
BT –Distillation
–Separation techniques
RT Solar stills

Solar disturbances 0302
UF Solar activity
Sunspot
BT –Disturbances
RT Auroras
Solar radiation
Solar systems

Solar energy
USE Solar radiation

Solar radiation 0302
UF Solar energy
BT –Radiation
–Transport phenomena
RT Climatic changes
Cosmic rays
–Electromagnetic waves
–Energy
–Evaporation
Heat resistance (biological)
Hydrologic cycle
Infrared radiation
–Light
–Meteorology
–Radio waves
Solar disturbances
Solar systems
Sun
Ultraviolet radiation

Solar stills 1302.5
BT –Equipment
RT Desalination apparatus
Solar distillation

Solar systems 0301
RT Astronomy
–Planets
Solar disturbances
Solar radiation
Sun

Soldering 1308
RT Brazing
–Joints (connections)
–Tin alloys
–Welding
–Zinc alloys

Solid friction 2012
BT –Friction
–Mechanical properties
RT External friction
Friction coefficient (mechanical)
Internal friction

Solidification 0704
RT Chemical stability
Coagulation
Crystallization
–Freezing
Fusion
–Hardening
Impregnation
Latent heat
Melting
–Retarding agents
Setting (materials)
Soil stabilization
Soil treatment
Solids
–Welds

Solids 0704
RT –Fluids
–Gases
–Mechanical properties
–Physical properties
Solidification
Solid state physics
–Solid wastes
Strength of materials

Solids contact process 1302.1
BT –Treatment
–Waste treatment
RT Activated carbon
Activated sludge
–Adsorption
–Sewage treatment
Tertiary treatment
Trickling filters
Waste water treatment

Solid state physics 2012
UF Tunnel diodes
BT –Physics
RT Crystallography
Diodes
–Electrical properties
–Mechanics
–Semiconductors
Solids
Superconductivity

Solid wastes 1302.1
BT –Wastes
NT Wood wastes
RT –Biodegradation
Coagulation
Incineration
–Organic matter
–Sludge
Solids
Ultimate disposal
–Waste dumps

Solifluction 0807
UF Mud glaciers
BT –Erosion
–Mass wasting
RT –Colluvium
Debris avalanches

Solitary waves 2014
BT –Waves

Solubility 0704
BT –Chemical properties
RT Aqueous solutions
Chemical stability
Concentration
Crystallization
–Decomposition
Dispersion
–Dissolved gases
Dissolved oxygen
Dissolved solids
Immiscibility
Leaching
Mixing
–Mixtures
Oxygenation
Phase diagrams
–Physical properties
Precipitation (chemistry)
Rock properties
Saturation
Soluble salts
–Solutes
–Solutions
Solvation
Solvent extractions
–Solvents
–Thermal properties
Thixotropy

Soluble rocks 0807
BT –Rocks
RT Caves
Dolomite
Gypsum
Karst
–Limestone
Rock properties
Sinkholes
Soluble salts

Soluble salts 0704
BT –Chemical compounds
–Chemicals
–Salts
RT –Alkaline soils
Alkali soils
Dissolved solids
Gypsum
Leaching
–Saline water
Salt removal
Soil components
Solubility
Soluble rocks
–Solutes
–Solvents

Solutes 0704
NT –Dissolved gases
Dissolved oxygen
RT Aqueous solutions
Solubility
Soluble salts
–Solutions
–Solvents
–Wastes

Solutions 0704
NT Aqueous solutions
RT Brines
Buffers (chemistry)
–Chemicals
–Dilution
–Dissolved gases
Dissolved solids
–Liquid-vapor interfaces
Physical chemistry
–Saline water
Saturation
Solubility
–Solutes
–Solvents

Solutions (aqueous)
USE Aqueous solutions

Solvation 0701 0704
BT –Chemical properties
–Chemical reactions
RT Aqueous solutions
–Desalination
Hydrolysis
Solubility
–Water chemistry

Solvent extractions 0704
BT –Separation
–Separation techniques
RT Desalination processes
–Extraction
Immiscibility
Leaching
Purification
Salt removal
Solubility
–Solvents
Tertiary treatment

Solvents 1111
NT Aromatic solvents
RT –Additives
Carriers
–Chemicals
Cleaning
–Extraction
–Fluids
Formulation
Leaching
Liquids
–Materials
Naptha
–Oils
Solubility
Soluble salts
–Solutes
–Solutions
Solvent extractions
–Water

Somateria mollissima
USE Common eider duck

Sonar 1701
RT –Acoustic equipment
Depth recorders
–Detectors
Navigation
–Noise (sound)
Sounding
–Sound waves
Underwater acoustics

Song birds 0603.2
BT –Animals
–Birds
–Non-game birds
–Wildlife
RT Animal groupings
Bird types
–Migratory birds
Non-migratory birds

Sonic pile driving 1315
BT –Pile driving
RT –Construction
–Construction methods

0FS 241

Sonic pile driving (Con.)
—Foundations
Pile foundations
—Piles (foundations)
Vibratory pile driving

Sonic velocity tests 1402
BT —Nondestructive tests
—Tests
RT —Acoustics
—Inspection
—Materials tests
—Quality control
Rock tests
Soniscopes
—Sound waves
Ultrasonics
Ultrasonic tests

Sonic waves
USE Sound waves

Soniscopes 1402
BT —Equipment
—Instrumentation
—Measuring instruments
—Test equipment
RT —Nondestructive tests
Sonic velocity tests
Ultrasonic tests

Sorghum 0204
UF Forage sorghum
Grain sorghum
Sorghum vulgare
BT —Agronomic crops
—Crops
—Field crops
—Grasses
—Monocots
—Plants (botany)
RT —Cereal crops
—Forage grasses
Grains (crops)
Johnsongrass
Silage
Sudangrass

Sorghum halepense
USE Johnsongrass

Sorghum sudanense
USE Sudangrass

Sorghum vulgare
USE Sorghum

Sorption 0704
RT —Absorption
—Adsorption
—Chromatography
Concentration
Desorption
—Extraction
—Interfaces
—Separation
—Surface properties

Sound 2014
RT —Acoustics
—Noise (sound)
Psychological aspects
—Sound waves
Telephones
Underwater acoustics

Sounding 1402
UF Depth finding
Depth sounding
Echo soundings
BT —Detection
RT —Acoustics
Bathymetry
—Borings
Depth
Depth recorders
Drill holes
—Drilling
—Exploration
Fathometers
Hydrography
Hydrophones
Lake morphometry
Plumblines
—Probes (instruments)
Reservoir surveys
Seismic investigations
—Sensors
Soil investigations
Sonar
Subsurface investigations
Subsurface mapping
—Surveying
—Surveys
Test holes
Test pits

Sound waves 2001
UF Sonic waves
BT —Elastic waves
—Mechanical waves
—Waves
NT Cavitation noise
RT —Acoustic equipment
Acoustic insulation
—Acoustics
Geophones
Hydrophones
Longitudinal waves
Mach number
—Noise (sound)
Reflection
Resonance
—Seismic waves
Shock waves
Sonar
Sonic velocity tests
Sound
Ultrasonics
Underwater acoustics
—Vibration

South Carolina 0806
BT —Coastal plains
—Geographical regions
—States (geographical)

South Dakota 0806
BT —Corn belt
—Geographical regions
—States (geographical)
RT Reclamation states

Soybeans 0204 0603.1
UF Glycine max
BT —Agronomic crops
—Crops
—Dicots
—Field crops
—Fruit crops
—Horticultural crops
—Legumes
—Oilseed crops
—Plants (botany)
RT Beans
—Forage legumes
Grains (crops)
Silage

Space engineering 2203
BT —Engineering
RT —Civil engineering
Mechanical engineering

Space frames 1313.5
BT —Frames
RT Continuous frames
Rigid frames
—Structural analysis
—Structural design

Spacers 1305
RT Bushings
—Fasteners
—Joints (connections)
—Mechanical fasteners
—Reinforcing steels
Spacing

Spacing 1407
RT Apertures
Clearances
—Dimensions
Isolation
—Separation
Spacers
Spans

Spalling 1407
RT Crushing
Deterioration
Disintegration
—Fractures
Fragmentation
Rock breakage
Slaking
Weathering

Spans 1313.5
RT —Beams (structural)
—Bridges (structures)
—Buildings
Columns
—Dimensions
Distance
—Girders
Length
—Loads (forces)
Slabs
Spacing
—Structural analysis
—Structural design
—Structural members
Suspension bridges
Width

Spare parts 1505
RT —Maintenance
Repairing

Spark gaps 2102
RT Electric arcs
—Electric discharges
Sparks

Sparks 2102
RT Electric arcs
Fires
Lightning
Spark gaps
—Welding

Spatial distribution 1407
BT —Distribution
RT Ecological distribution
Migration patterns

Spatula clypeata
USE Shoveler duck

Spawning 0603.2
RT Fish establishment
Fish reproduction
Fry
—Life cycles
Life expectancy
Spawning channels

Spawning channels 1313.1
BT —Channels
RT Fish barriers
Fish establishment
Fish ladders
Fish migration
Fish passages
Fish reproduction
Spawning

Specialization 1407
RT Diversification
—Employment
—Obsolescence
Occupations

Specialty crops 0204
BT —Crops
—Horticultural crops
—Plants (botany)
NT Popcorn
RT —Ornamentals
Plant groupings

Speciation 0606
RT Acclimatization
—Breeding
—Ecotypes
Phylogeny
—Systematics
Varieties

Specifications 1407
UF Engineering specifications
RT —Building materials
Competitive bidding
Concrete control
—Construction
—Construction control
—Construction materials
—Construction methods
Construction practices
—Contract administration
Contracting officers
—Contracts
—Criteria
—Design
Design standards
—Equipment
Field control
—Inspection
—Maintenance
—Materials
Materials engineering
—Materials tests
—Mechanical properties
Oxygen requirements
Performance
Performance tests
—Procurement
—Quality control
Reliability
—Requirements
—Standards
Supply contracts
Tolerances (mechanics)
Water requirements

Specific capacity 0808.1
RT —Aquifers
Aquifer tests
—Discharge (water)
—Drawdown
—Groundwater
—Pumping
—Water wells
—Wells

Specific costs 1401
BT —Costs

Specific energy
USE Specific head

Specific gravity 1407
BT —Physical properties
RT Bulk density
Concrete properties
—Densimeters
—Density
Dry density
Dry weight
Gravity
Hydrometers
Mass
Rock density
—Soil properties
Unit weight
—Void ratio
—Weight
Wet weight

Specific head 2004
UF Specific energy
RT Depth
Height
Hydraulic jump
Hydraulic pressure
—Hydraulics
Momentum equation
—Physical properties
Velocity head

Specific heat 0704
BT —Physical properties
—Thermal properties
RT Calorimeters
Enthalpy
Thermal capacity
Thermal conductivity

Specific retention 0808.1
UF Moisture equivalent
BT —Hydrologic properties
RT —Aquifers
—Capillary water
Permeability
Porosity
Specific yield
—Water storage

Specific speed 1307.1
RT —Hydraulic turbines
—Reaction turbines
—Reversible turbines
Turbine runners

Specific surface 2012
BT —Physical properties
RT Area
Gradation
Grain shapes
Grain sizes
Particle size
Porosity
—Soil properties
—Surfaces
—Void ratio

USE = Use preferred term; UF = Used for; BT = Broader term; NT = Narrower term; RT = Related term.

Specific weight 1407
BT –Physical properties
RT Buoyancy
–Density
Density-flow
Rock density
–Soil properties
Volume

Specific yield 0808.1
UF Yield (specific)
BT –Hydrologic properties
RT –Aquifers
Diffusivity
Gravitational water
–Groundwater sources
Percolation
Permeability
Porosity
Specific retention
Storage coefficient
Transmissivity
–Water storage

Spectra 2006
RT Spectrometers
–Spectrometry
Spectrum analysis

Spectrography
USE Spectroscopy

Spectrometers 1402
UF Spectroscopes
BT –Equipment
–Instrumentation
–Measuring instruments
RT –Chemical analysis
Laboratory equipment
–Optical instruments
–Optical measurement
Photometers
–Radiation detectors
–Radiation measurement
–Radiation measuring equipment
Spectra
–Spectrometry
Spectrophotometry
–Spectroscopy
Spectrum analysis

Spectrometry 1402
NT Spectrophotometry
RT –Chemical analysis
Colorimetry
Infrared spectroscopy
–Optical instruments
Photometers
Qualitative analysis
–Radiation measuring equipment
Spectra
Spectrometers
–Spectroscopy
Spectrum analysis
X-ray spectroscopy

Spectrophotometry 1402
BT –Analytical techniques
–Photometry
–Spectrometry
RT –Cameras
–Chemical analysis
Color
Colorimetry
Flame photometry
Photometers
Radiometers
Spectrometers
–Spectroscopy
Spectrum analysis

Spectroscopes
USE Spectrometers

Spectroscopy 1402
UF Spectrography
BT –Analytical techniques
NT Infrared spectroscopy
X-ray spectroscopy
RT –Chemical analysis
Colorimetry
–Fluorescence
Neutron activation analysis
Optics
Qualitative analysis
–Quantitative analysis
Remote sensing
Spectrometers
–Spectrometry
Spectrophotometry
Spectrum analysis
Volumetric analysis

Spectrum analysis 1402
UF Spectrum analyzers
BT –Analysis
RT Frequency analyzers
Infrared spectroscopy
Interferometers
Nuclear magnetic resonance
Spectra
Spectrometers
–Spectrometry
Spectrophotometry
–Spectroscopy
X-ray spectroscopy

Spectrum analyzers
USE Spectrum analysis

Speed
USE Velocity

Speed regulators
USE Governors

Sphaerotilus 0613
BT –Aerobic bacteria
–Aquatic bacteria
–Aquatic life
–Aquatic microorganisms
–Aquatic plants
–Bacteria
–Microorganisms
–Plants (botany)
–Seston
RT Sewage bacteria

Sphagnum species
USE Mosses

Spheres 1409
BT –Geometric shapes
RT –Circles (geometry)
Cones (mathematics)
Curved profiles
Geometry
Prisms
–Shell structures

Spilling 1313.1
RT –Floods
Floodways
Overflow
–Spillways
Storage capacity

Spillway approach 1313.1
RT Approach channels
–Dams
–Debris barriers
Entrance channels
–Entrances (fluid flow)
Guide walls
Spillway capacity
Spillway piers
–Spillways
Training walls

Spillway capacity 1313.1
RT Approach channels
Backwater profiles
Critical depth
Dam crests
Dam failure
–Dams
Flood control
Flood peaks
Floodways
Overflow
Peak discharge
Peak runoff
Spillway approach
Spillway design flood
–Velocity

Spillway crests 1313.1
UF Crests (spillway)
RT Chute spillways
Closed conduit spillways
Design flow
–Discharge (water)
–Flow control
Free flow
Hydraulic design
–Hydraulic gates
–Hydraulics
Morning glory spillway
Nappe
Ogee crests
Overfalls
Overflow
Overtopping
Shaft spillways
Side channel spillways
–Spillways
–Water levels
–Waves (water)
Weir crests
–Weirs

Spillway design flood 0808
UF Design flood (spillway)
BT –Floods
RT Backwater profiles
Design flow
–Discharge (water)
Flood hydrographs
Flood peaks
Floodways
Maximum probable flood
Overflow
Spillway capacity

Spillway gates 1313.7
BT –Gates
–Hydraulic gates
RT Chute spillways
–Discharge (water)
Fixed wheel gates
–Flow control
–Fluid mechanics
–Hoisting machinery
Radial gates
Roller gates
Sector gates
–Spillways

Spillway piers 1313.1
BT –Piers
RT Baffle piers
Bridge decks
Bridge piers
–Check structures
–Dams
Flashboards
Hydraulic engineering
Ogee crests
–Outlets
Overflow
Spillway approach
–Spillways
Stop logs
Training walls

Spillway profiles 1313.1
RT Backwater profiles
Dam crests
–Geometric shapes
Hydraulic engineering
Hydraulic gradient
Ogee crests
Overflow
–Velocity
Water surface
–Water surface profiles
Weir crests
Weir gages

Spillways 1313.1
BT –Hydraulic structures
–Structures
NT Chute spillways
Closed conduit spillways
Morning glory spillway
Ogee crests
Shaft spillways
Side channel spillways
Ski-jump spillways
RT Abutments
Approach channels
Bellmouths
Bypasses
Chute blocks
Chutes
–Concrete structures
Control structures
Dam construction
Dam design
–Dams
–Debris barriers
Dentated sills
Design flow
–Discharge (water)
Diversion dams
Diversion structures
Diversion tunnels
Drum gates
–Earth dams
Flashboards
Flip buckets
–Floods
Floodways
–Flow control
–Fluid flow
Freeboard
Free flow
–Gates
Grassed waterways
Guide walls
–Hydraulic gates
Large structures
Maximum probable flood
–Outlets
–Outlet works
Overfalls
Overflow
Overtopping
Plunge basins
Radial gates
Roller gates
Self-spillway dams
Spilling
Spillway approach
Spillway crests
Spillway gates
Spillway piers
Stilling basins
Training walls
Wasteways
Water control
Water surface
–Water tunnels (conveyance)
–Weirs

Spinning reserve 1002.1
RT –Electric generators
Electric power demand
–Electric power production
Generating capacity
Hydroelectric power
Power loads

Spiral cases 1307.1
UF Scroll cases
RT Draft tubes
Francis turbines
–Hydraulic machinery
–Hydraulic turbines
Impellers
Kaplan turbines
–Pumps
–Pump turbines
Turbine parts
–Turbines

Spirals 1201
BT –Geometric shapes
RT –Circles (geometry)
–Curves
–Envelopes
Geometry
Helixes
Horizontal curves

Spirochetaticides (pesticides)
0606
BT –Chemicals
–Pesticides
–Poisons
RT Antibiotics (pesticides)

Splitting tensile strain
USE Splitting tensile strength

Splitting tensile strength 2012
UF Splitting tensile strain
Splitting tensile stress
BT –Mechanical properties
–Strength
–Tensile properties
–Tensile strength
RT –Failure (mechanics)
–Materials tests
Strength of materials
Tensile stress
–Tension
Tension tests

Splitting tensile stress
USE Splitting tensile strength

Spoil 1302 1315
RT Dredging
–Earth materials
–Excavation

Spoil (Con.)
–Mine wastes
–Mining
Pit run materials
–Soils
Spoil banks

Spoil banks 0809
RT –Acidic soils
Spoil
Stockpiling
Strip mines
–Vegetation establishment

Spores 0603.1
RT –Bacteria
Dispersion
–Dust
Ferns
–Fungi
Germination
Palynology
Pollen

Sport fish 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Wildlife
RT Animal groupings
Bass
–Elasmobranches
Fish harvest
–Fishing
Fish types
–Freshwater fish
Lake fisheries
–Marine animals
–Pan fish
Pikes
–Recreation
–Saline water fish
–Salmon
–Salmonids
Sport fishing
Surf-casting
–Trout
Walleye

Sport fishing 0511
BT –Fishing
–Recreation
–Water sports
RT Bait fishing
Cold-water fishing
Fishing gear
Fly fishing
–Freshwater fish
Ice fishing
Lake fisheries
Marine fisheries
Sport fish
Stream fisheries
Surf-casting
Warm-water fishing

Spotlights
USE Lighting equipment

Spots 0603.1
(plant diseases)
BT –Diseases
–Plant diseases
RT –Environmental effects
Epiphytology

Spotted bass
USE Bass

Spot welders
USE Spot welding

Spot welding 1305
UF Spot welders
BT –Welding
RT –Joints (connections)
Welded joints

Sprayers
USE Spraying

Spraying 0701 1308
UF Sprayers
RT Aeration
Aerosols
–Diffusion
Dispersion
Dusting
Insect control
Jet diffusion
Mixing
Painting
–Paints
–Pest control
–Propagation
Seal coat
Sprays
Sprinkling
Wetting

Sprays 1309
RT Aeration
Application equipment
–Application methods
–Evaporation
Foliar application
Mist irrigation
Pesticide drift
Spraying
Sprinkler irrigation

Spread footings 1313.6
BT –Footings
RT Flexible foundations
Grillage footings
–Rigid foundations
Slabs
Spread foundations

Spread foundations 1313.6
BT –Foundations
RT Flexible foundations
–Footings
Grillage footings
–Rigid foundations
Slabs
Spread footings

Spreading
USE Water spreading

Spreading areas
USE Spreading basins

Spreading basins 0808.1
UF Spreading areas
BT –Basins
RT –Aquifers
–Artificial recharge
–Groundwater
Groundwater recharge
Infiltration
Percolation
Pit recharge
–Recharge
Recharge wells
Sewage treatment plants
–Sewage works
Water conservation
–Water management (applied)
Water spreading

Spring 0402
BT –Seasons
RT Seasonal

Springs (mechanical) 1309
UF Mechanical springs
RT Coils
–Compression
Rebound
Resilience
Suspension
–Tension
–Vibration
Vibration damping
Winding (mechanical)

Springs (water) 0808
BT –Bodies of water
–Running waters
NT Cold springs
Geysers
–Hot springs
Lake bottom springs
–Thermal springs
Warm springs
RT Aquicludes
–Aquifers
Artesian aquifers
Artesian water
Artesian wells
Confined water
–Discharge (water)
–Fresh water
Galleries
–Groundwater
Groundwater flow
Groundwater geology
Groundwater movement
Hydraulic gradient
–Hydrogeology
Intermittent streams
Mineral water
–Phreatic water
Quicksand
Saturation zones
–Seepage
Spring waters
–Streams
–Subsurface waters
Two-part aquifers
Vertical drains
–Water
Water holes
–Water table
–Water wells
–Wells

Spring waters 0808
BT –Water types
RT –Springs (water)
Water sources

Sprinkler irrigation 0203.1
BT –Gravity irrigation
–Irrigation
–Irrigation systems
RT Crop production
Demand (irrigation systems)
–Evaporation
Golf courses
–Irrigation practices
Lawns
–Pipes
–Pumps
Rainfall simulators
Sprays
Sprinkling
–Surface irrigation

Sprinklers
USE Sprinkling

Sprinkling 1308
UF Sprinklers
RT Frost protection
Spraying
Sprinkler irrigation
Wetting

Squalls 0402
BT –Wind (meteorology)
RT –Precipitation (atmospheric)
–Storms

Stability 1407
NT Bank stability
Chemical stability
Dam stability
Dynamic stability
Electrical stability
Materials stability
Rock slope stability
Seismic stability
–Slope stability
Soil stability
–Structural stability
Transient stability
RT Amplification
Angle of repose
–Bearing capacity
Bearing strength
–Chemical properties
Compatibility
–Consolidation
–Damping
–Decomposition
–Degradation (decomposition)
–Durability
Dynamic response
Equilibrium
–Erosion
–Failure (mechanics)
Fluctuation
Formulation
–Foundations
Guide vanes
Life expectancy
–Mechanical properties
Natural frequency
–Physical properties
–Plasticity
Regimen
–Reinforcement
Reliability
–Resistance
Safety factors
Shear failure
Shear strength
Slip planes
–Slopes
Slope stabilization
–Stability analysis
–Stabilization
–Strength
Tolerances (mechanics)
Transients
Volatility
Vulnerability

Stability analysis 0813
BT –Analysis
NT Slip-circle method
RT Angle of repose
Bank stability
Critical slopes
Cut slopes
Dam design
Dam stability
Dynamic stability
–Earth dams
–Earthworks
–Embankments
–Landslides
Rockslides
Rock slope stability
Safety factors
Seismic stability
Sliding resistance
Slip planes
Slip surface
Slope angles
–Slopes
–Slope stability
Soil mechanics
Soil stability
–Stability
–Structural analysis
–Structural stability

Stabilization 1407
NT Bank stabilization
Slope stabilization
Soil stabilization
Stream stabilization
RT Armoring (streambed)
–Consolidation
–Control
Dynamic stability
Equilibrium
Frequency stabilizers
Inhibition
Neutralization
Oxidation lagoons
–Reinforcement
–Stability
Stress relieving
Vibration damping

Stabilization ponds
USE Oxidation lagoons

Stable channels 1302
UF Channels (stable)
BT –Channels
RT Bank protection
Bed load
Channel design
Channel improvements
Deposition
Gabions
Groins (structures)
Jacks (structural shape)
Regime theory
–River regulation
River training
–Sediments
–Tractive forces

Stable isotopes 1802
UF Isotopes (stable)
BT –Isotopes
RT –Chemical elements
–Chemicals
–Radioisotopes
–Tracers

Staff gages 1402
BT –Equipment
–Gages
–Hydrologic instruments
–Instrumentation
–Measuring instruments
RT Cipolletti weirs
Metergates

Staff gages (Con.)
Rectangular weirs
Stream gages
Vee-notched weirs
Weir gages
Weir ponds
–Weirs

Stage-discharge relations 0808
RT –Channels
–Discharge (water)
Discharge coefficients
–Gages
River forecasting
–Streamflow
–Water levels

Stages (lake)
USE Lake stages

Stages (reservoir)
USE Reservoir stages

Stages (water)
USE Water levels

Stages of growth
USE Growth stages

Stagnant water 0808
BT –Water types
RT Anaerobic conditions
Dystrophy
Eutrophication
Hypolimnion
–Marshes
–Organic matter
–Swamps
Water pollution effects
–Wetlands

Stainless steel 1106
BT –Alloys
–Construction materials
–Iron alloys
–Metals
–Steel
RT Chromium alloys
–Corrosion control
–Equipment
Low alloy steels
Low carbon steel
Metallurgy
Metal pipes
Nickel alloys
Trashracks

Stains 1103
RT Color
–Damages
–Dyes
Painting
–Penetration
–Pigments

Stairs 1313.4
RT –Buildings
Ladders

Standard deviation 1201
RT Correlation
Errors
Estimating
Homogeneity
–Quality control
–Statistical analysis
Statistics
Variability
Variation coefficients

Standard project flood
USE Design flood

Standards 1407
NT Building codes
–Codes
Design standards
Water quality standards
RT Acceptability
Accuracy
–Administration
–Contract administration
Contracting officers
–Control
–Criteria
–Governments
Industrial engineering
Industrial production
–Inspection
–Instrumentation
–Materials
–Materials tests
–Methodology
–Operations
Performance
Performance tests
Production control
–Professional personnel
–Quality control
–Regulations
Reliability
Specifications
Supply contracts
Tolerances (mechanics)
Variability
–Water pollution
–Water quality
–Water utilization

Standby generators
USE Standby power

Standby power 1002
UF Standby generators
BT –Electric power
–Power
RT Electric networks
Electric power demand
–Electric power production
Electric power rates
Hydroelectric power

Standing crop 0204
BT –Crops
–Plants (botany)
RT Biomass
–Census
Crop production
Food abundance
–Harvesting
–Plankton
–Population
–Productivity
Trophic level

Standing surge
USE Hydraulic jump

Standing waters 0808
BT –Bodies of water
NT Afterbays
Detention reservoirs
Equalizing reservoirs
Evaporation reservoirs
Farm ponds
Forebays
Great ponds
Iced lakes
–Lakes
Multiple purpose reservoirs
Playa lakes
–Ponds
–Reservoirs
Sagponds
Saline lakes
Stock ponds
Strip mine lakes
Waste stabilization ponds
RT Lentic environments
–Marshes
–Running waters
–Surface waters
–Swamps
–Water types
–Wetlands

Standing waves 2014
UF Stationary waves
BT –Waves
RT Bores (wave)
Celerity
–Critical flow
Froude number
Harmonics
Hydraulic jump
Natural frequency
Nodes
–Vibration
Wave period
–Waves (water)

Standpipes 1313.5
RT Cylinders
–Hydraulic structures
–Pressure
Storage tanks
Water distribution (applied)
–Water tanks

Stars 0301
BT –Astronomical bodies
NT Sun
RT Astronomy

State governments 0504
BT –Governments
RT Administrative agencies
Civil service
Federal agencies
Federal-state cooperation
Government employees
Interstate
–Licenses
–Organizations
–Permits
Political aspects
–Social aspects
State jurisdiction
–States (geographical)
United states government
Water resources development

State jurisdiction 0504
BT –Jurisdiction
RT Federal jurisdiction
Federal-state water rights conflicts
Reservation doctrine
State governments
United states government
Water quality standards
–Water rights

State of the art studies
USE Reviews

States (geographical) 0504
NT Alabama
Alaska
Arizona
Arkansas
California
Colorado
Connecticut
Delaware
Florida
Georgia
Hawaii
Idaho
Illinois
Indiana
Iowa
Kansas
Kentucky
Louisiana
Maine
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
Missouri
Montana
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Ohio
Oklahoma
Oregon
Pennsylvania
Rhode Island
South Carolina
South Dakota
Tennessee
Texas
Utah
Vermont
Virginia
Washington
West Virginia
Wisconsin
Wyoming
RT Federal agencies
Federal-state cooperation
State governments
Water plans

Static electricity 2003
RT Atmospherics
Electric coronas
–Electric discharges
Electric fields
–Electric potential
Electrostatics
Lightning

Static loads
USE Dead loads

Static properties
USE Statics

Statics 2011
UF Static properties
BT –Mechanics
–Physics
NT Hydrostatics
RT –Dynamics
–Engineering mechanics
Equilibrium
Graphical analysis
–Loads (forces)
Mass
–Moments
Moments of inertia
Static tests
–Strain
–Stress
–Structural analysis

Static tests 1402
BT –Tests
RT –Compression tests
–Dynamic tests
Fatigue tests
Hardness tests
Laboratory tests
Loading tests
–Loads (forces)
–Materials tests
–Metal tests
Model tests
–Nondestructive tests
–Quality control
Rock tests
–Shear tests
–Soil tests
–Statics
Strength of materials
Tension tests
Test piles
Tolerances (mechanics)

Stationary waves
USE Standing waves

Stations 1407
NT –Gaging stations
–Hydrometeorological station
Stream gaging station
Weather stations
RT Data collections
–Facilities
–Instrumentation
International hydrological decade
–Networks
Position finding
Ranges (distance)
–Sites
Synoptic analysis

Statistical analysis 1201
UF Statistical methods
Statistical tests
BT –Analysis
–Mathematical analysis
NT Correlation analysis
Frequency analysis
Histograms
Multiple regression
–Regression analysis
Sequential analysis
Time series analysis
RT –Charts
–Coefficients
Computer applications
Correlation
Correlation techniques
Data reduction
–Dynamic tests
–Forecasting
Frequency distribution
Graphical analysis
Least squares method
–Mathematical studies
–Mathematics
Mean diameter
Median diameter
–Methodology
Normalizing
Probability
–Quality control

Statistical analysis (Con.)
Queueing theory
Reliability
Reproducibility
–Sampling
Standard deviation
–Statistical models
–Stochastic processes
Surveys (data collection)
Systems analysis
Vector analysis

Statistical methods
USE Statistical analysis

Statistical models 1201
BT –Mathematical models
–Models
–Model studies
NT Stochastic models
RT –Coefficients
Game theory
Markov processes
–Mathematics
Monte carlo method
Multiple regression
–Operations research
Probability theory
Queueing theory
–Regression analysis
–Statistical analysis
–Stochastic processes
Systems analysis

Statistical quality control 1308
BT –Control
–Quality control
RT –Inspection
Multiple regression
Variability

Statistical tests
USE Statistical analysis

Statistics 1201
BT –Mathematics
RT –Census
–Coefficients
Data collections
–Data processing
Experimental data
Gaussian distribution
Least squares method
Mathematical tables
–Measurement
–Sampling
Standard deviation
–Tables (data)

Stators 1307.1
BT –Equipment
RT Blades
–Electrical equipment
–Electric generators
–Electric motors
Flow deflectors
Guide vanes
Induction motors
Rotating components
–Rotors
–Turbines
Turbine wheels
–Vanes

Stay cables
USE Stay lines

Stay lines 1313.5
UF Cables (stay)
Guy lines
Stay cables
Stay ropes
RT Anchored bulkheads
Anchored towers
Guyed towers
–Wire

Stay rings 1307.1
BT –Rings
RT Flow distribution
Francis turbines
–Hydraulic machinery
–Hydraulic turbines
Kaplan turbines
–Pump turbines
Stay vanes
Turbine parts
–Turbines

Stay ropes
USE Stay lines

Stay vanes 1307.1
BT –Vanes
RT Flow distribution
Francis turbines
–Hydraulic machinery
–Hydraulic turbines
Kaplan turbines
–Pump turbines
Stay rings
Turbine parts
–Turbines

Steady flow 2004
BT –Flow
–Fluid flow
–Movement
RT –Critical flow
Flow patterns
–Fluid dynamics
Fluid friction
Gradually varied flow
Heat transmission
–Hydraulics
Laminar flow
Moody resistance diagrams
Orifice flow
Pipe flow
Reynolds number
Subcritical flow
Transient flow
Turbulence
Turbulent flow
Two-phase flow
Uniform flow
–Unsteady flow

Steam 0704
RT Boilers
–Condensation
–Electric power
Geysers
Heated water
–Hot springs
Hydroelectric powerplants
Steam curing
Steam tables
Steam turbines
Thermal energy
Thermal power
Thermal powerplants
–Thermal springs
Thermal water
–Water types
–Water vapor

Steam curing 1308
BT –Curing
RT Autoclaves
–Concrete technology
–Hardening
Precast concrete
Setting (materials)
Steam

Steam plants
USE Thermal powerplants

Steam power
USE Thermal power

Steam powerplants
USE Thermal powerplants

Steam shovels
USE Earth handling equipment

Steam tables 2013
UF Charts (mollier)
BT –Tables (data)
RT Data collections
Enthalpy
Entropy
–Heat
Steam
–Thermodynamics

Steam turbines 1307
BT –Turbines
RT Axial flow
Boilers
–Electric power
–Hydraulic turbines
Steam
Thermal energy
Thermal power
Thermal powerplants
Turbine efficiency
Turbogenerators

Steel 1106
BT –Construction materials
–Iron alloys
–Materials
–Metals
NT Carbon steels
Cast steel
Cold-rolled steel
High strength steels
Low alloy steels
Low carbon steel
Prestressed steel
–Reinforcing steels
Stainless steel
Structural steel
RT Blast furnaces
Carbon alloys
Cast iron
Chromium
Chromium alloys
Cobalt alloys
Composite beams
Composite structures
–Engineering structures
Ferrites
High-bond reinforcing bars
–Iron
Manganese alloys
Metallurgy
Metal pipes
Molybdenum alloys
Nickel alloys
–Rods
Steel industries
Steel piles
–Steel plates
Steel structures
Trashracks
Tungsten alloys
Vanadium alloys
Welded joints
–Welding

Steelhead trout
USE Rainbow trout

Steel industries 1106
UF Steel mills
Steel plants
BT –Industries
RT Blast furnaces
Cast iron
–Steel

Steel linings 1107
BT –Linings
RT Rigid linings
–Steel plates
Tunnel design
Tunnel hydraulics
Tunnel linings
Underground powerplants
–Underground structures

Steel mills
USE Steel industries

Steel piles 1313.6
BT –Piles (foundations)
RT Batter piles
Bearing piles
–Concrete piles
–Foundations
Friction piles
Pile bearing capacities
Pile caps
–Pile driving
Pile foundations
Pile friction
Sheet piling
–Steel
Wooden piles

Steel pipes 1311
BT –Closed conduits
–Conduits
–Conveyance structures
–Hydraulic structures
–Pipes
RT –Bends (hydraulic)
Cold-rolled steel
–Conveyance structures
Ducts
High strength steels
Penstocks
Pipe bends
Pipe fittings
–Pipelines
Pressure pipes
Rigid pipes
Stress relieving
Tees
Well casings
Well screens

Steel plants
USE Steel industries

Steel plates 1106
BT –Plates
NT Gusset plates
RT –Bars
Bolted joints
Cold-rolled steel
Dam facings
Fabrication
Flat plates
Liner plates
Plate girders
Riveted joints
Riveting
–Steel
Steel linings
Steel structures
–Structural members
Structural shapes
Thick plates
Thin plates
Welded joints

Steel structures 1313.5
BT –Engineering structures
–Structures
RT –Bars
Bolted joints
–Bridges (structures)
–Buildings
Cantilevers
Composite structures
Continuous frames
–Continuous structures
Continuous trusses
Erection
High strength steels
Posttensioning
–Prestressing
Riveted joints
Riveting
Silos
–Steel
–Steel plates
Stiffeners
–Structural design
Structural steel
Transmission towers
Welded joints
–Welding

Stellers eider duck 0603.2
UF Eider (stellers)
Polysticta stelleri
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Stemflow 0603.1
RT Canopy
–Flow
Foliar
Interception
–Plants (botany)
–Rainfall
Soil water movement
Throughfall

Step-downs 1313.1
RT –Concrete structures
Stream improvement

Steppes
USE Grasslands

Stereoscopes 1405
UF Instruments (stereoscopic)
Stereoscopic instruments
BT –Instrumentation
–Optical instruments
RT Aerial photography
Photogrammetry
–Photographic equipment
Photointerpretation

Stereoscopes (Con.)
Stereoscopic map plotters
Stereoscopic photography

Stereoscopic instruments
USE Stereoscopes

Stereoscopic mapping
USE Stereoscopic map plotters

Stereoscopic map plotters 1405
UF Stereoscopic mapping
RT Aerial photography
Photogrammetry
–Photographic equipment
Stereoscopes
Stereoscopic photography

Stereoscopic photography 1405
RT Aerial photography
Color photography
Photogrammetry
Stereoscopes
Stereoscopic map plotters

Sterilants 0603
UF Chemosterilants
NT Fish sterilants
Soil sterilants
RT Chemcontrol
–Fumigants
Gametocides
Insect control
Ovicides
–Pest control
–Pesticides
–Poisons
–Reproduction (biology)
Sterility
Translocation

Sterility 0616
RT Fertility
–Genetics
Plant breeding
–Reproduction (biology)
–Sterilants

Sticklebacks 0603.2
UF Apeltes species
Eucalia species
Gasterosteus species
Pungitius species
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Wildlife
RT –Freshwater fish
–Marine fish

Stiffeners 1313
RT –Bracing
Penstocks
–Reinforcement
Ribs
–Rings
Roof supports
–Shell structures
Steel structures

Stiffening 1308
RT –Bracing
Contraction
–Hardening
–Reinforcement
Ribs

Stiffness 2012
BT –Mechanical properties
RT –Consistency
–Deformation
Flexibility
Flexural strength
Moment distribution
Moments of inertia
Relative consistency
Rigidity
Stiffness matrix
–Tensile properties
Thixotropy

Stiffness matrix 1313.5
RT Matrix algebra
Matrix methods (structural)
Stiffness
–Structural analysis

Stilling basins 1313.1
BT –Basins
–Hydraulic structures
RT Baffle piers
Chute blocks
Chute spillways
Closed conduit spillways
–Concrete structures
Critical depth
Dentated sills
–Energy dissipation
Flip buckets
–Flow
Guide walls
Hydraulic engineering
Hydraulic jump
Jet diffusion
Morning glory spillway
–Outlet works
Roll waves
Shaft spillways
Side channel spillways
Ski-jump spillways
Slug flow
–Spillways

Stilling wells 1402
RT Automation
–Damping
Discharge measurement
Float wells
Flow measurement
–Hydraulic models
–Hydraulic structures
Liquid level gages
Stream gaging station
Water level fluctuations
–Water levels
–Water measurement
Water stage recorders
–Weirs

Stinging nettles 0603.1
UF Nettles (stinging)
BT –Crops
–Dicots
–Horticultural crops
–Plants (botany)
–Weeds

Stirrups 1313.5
BT –Reinforcement
RT –Bars
–Beams (structural)
Columns
–Concretes
–Construction materials
–Engineering structures
–Reinforced concrete
–Reinforcing materials
–Reinforcing steels

Stizostedion canadense
USE Sauger

Stizostedion vitreum vitreum
USE Walleye

Stochastic hydrology
USE Synthetic hydrology

Stochastic models 1201
BT –Mathematical models
–Models
–Statistical models
RT –Constraints
Linear programming
–Operations research
Probability
–Stochastic processes

Stochastic processes 1201
UF Random processes
NT Markov processes
RT –Mathematical models
Monte carlo method
–Operations research
Probability theory
Queueing theory
–Statistical analysis
–Statistical models
Stochastic models
Synthetic hydrology
Time series analysis

Stocking 0603.2
UF Fully stocked
Overstocked
Understocked
NT Fish stocking

Stockpiling 1315
RT –Earthfill
–Earthworks
–Fills
Logistics
Spoil banks
–Storage

Stock ponds 0808
BT –Bodies of water
–Ponds
–Standing waters
–Surface waters
RT Farm lagoons
Farm ponds
Impounded waters
Stock water
–Water storage

Stock water 0205
UF Livestock water
BT –Water types
RT Artificial use
Beneficial use
Farm ponds
Natural use
–Prior appropriation
Reasonable use
–Reservoirs
–Riparian rights
Stock ponds
Water allocation (policy)
Water consumption
Water harvesting

Stokes law 2004
RT –Density
Deposition
Flow around objects
Particle size
Sedimentation rates
Settling velocity
Viscosity

Stomata 0603.1
RT Biorhythms
Diurnal
Epidermis
–Evapotranspiration
Leaves
Moisture deficit
Photosynthesis
Plant physiology
Pores
Respiration
Transpiration
Transpiration control

Stoneflies 0603.2
UF Plecoptera
BT –Animals
–Aquatic animals
–Aquatic insects
–Aquatic life
–Insects
–Invertebrates

Stone fruits 0204 0603.1
UF Prunus species
BT –Crops
–Dicots
–Fruit crops
–Horticultural crops
–Plants (botany)
NT Apples
Blueberries
–Citrus fruits
Grapefruit
Hickory trees
Lemons
Limes
Macadamia
Melons
Oranges
Peaches
Peanuts
Pecans
–Pome fruits
Strawberries
–Vine crops
RT Plant groupings

Stones 1303
BT –Building materials
–Construction materials
RT –Aggregates
Boulders
Coarse aggregates
Concrete masonry
–Concretes
Cyclopean concrete
–Masonry
Masonry dams
Monoliths
Quarries
Riprap
–Rocks
Rubble
Rubble masonry
Rubble mounds

Stoney gates 1313.7
BT –Gates
–Hydraulic gates
RT Floodgates
Roller-mounted gates

Stooling
USE Vegetation regrowth

Stopes 0809
RT –Drift
Drift mining
–Excavation
–Mines
–Mining
Shafts (mining)
Underground openings

Stop logs 1313.7
RT Emergency closures
–Equipment
Flashboards
–Hydraulic gates
–Maintenance
Repairing
Slots
Spillway piers

Storage 1407
Use of a more specific term is recommended
UF Detention
NT Bank storage
Data storage
Dead storage
Depression storage
Pumped storage
Reservoir storage
Soil water storage
Underground storage
Underground water storage
Usable storage
Waste storage
–Water storage
RT Bins
Concrete tanks
–Containers
–Degradation
–Disposal
–Excavation
–Explosives
Obsolete equipment
Preservation
–Pumping
–Quality control
–Reservoirs
Retention
Retention dams
–Safety
Silos
Stockpiling
Storage capacity
Storage tanks
–Tanks (containers)
Warehouses
–Waste disposal

Storage batteries
USE Electric batteries

Storage capacity 0808.1
RT Infiltration
Porosity
–Soil water
Spilling
–Storage
Storage coefficient
Surcharge
–Water storage

Storage coefficient 0808.1
BT –Coefficients
RT –Aquifers
Diffusivity
Natural recharge
Porosity
Rainfall-runoff relationships

Storage coefficient (Con.)
–Rates
Specific yield
Storage capacity
Theis equation
Transmissivity
–Water storage
–Water wells

Storage reservoirs
USE Reservoir storage

Storage tanks 1304
BT –Containers
–Tanks (containers)
RT Cylinders
–Hydraulic structures
Sedimentation tanks
Standpipes
–Storage
Underground storage
–Vessels
–Water storage

Storm drains 0808.1
BT –Drains
RT Cities
–Conduits
Drainage systems
Drain tiles
Horizontal drains
–Intakes
Municipalities
–Pipes
Sewers
Storm runoff
–Subsurface drainage
Surface runoff
Urbanization

Stormflow
USE Storm runoff

Storm runoff 0808
UF Direct runoff
Stormflow
BT –Runoff
RT Cloudbursts
Effective precipitation
Flood frequency
Flood hydrology
Flood plain regulation
Flood plain studies
–Floods
Flood stages
Overland flow
Snowmelt
Storm drains
–Storms
Storm structure
–Streams
Surface runoff
Unit hydrographs
Urbanization
Washouts

Storms 0402
NT Artificial storms
Blizzards
Cloudbursts
Design storm
Dust storms
Extratropical cyclones
Hurricanes
Snowstorms
Thunderstorms
Tornadoes
–Tropical cyclones
Typhoons
RT –Air masses
–Atmosphere
Atmospheric motion
–Climatology
Cloud physics
–Damages
Disasters
–Disturbances
–Erosion
Flood frequency
Flood hydrology
–Floods
Fronts (atmospheric)
Gusts
Hail
–Hydrographs
–Ice
–Intensity
Lightning
–Meteorology
Microenvironment
–Precipitation (atmospheric)
Rain
–Rainfall
–Runoff
Sleet
–Snow
Squalls
Storm runoff
Storm structure
Turbulence
Weather
–Weather modification
Weather patterns
–Wind (meteorology)

Storm seepage
USE Subsurface runoff

Storm structure 0402
BT –Structure
RT Artificial storms
Cloud physics
Dust storms
Lightning
–Meteorology
Runoff forecasting
Storm runoff
–Storms
Thunderstorms

Strain 2012
NT Axial strain
Normal strain
Shear strain
Tangential strain
RT –Axial tension
–Compression
–Consolidation
Contraction
Creep
Deflection
–Deformation
Displacements
Distortion (structural)
Elastic deformation
Elastic limit
–Expansion
Fatigue tests
–Loads (forces)
–Mechanical properties
Normal stress
Plastic deformation
Plastic theory
Poisson ratio
Residual stress
Rupture modulus
Sagging
–Settlement (structural)
–Shrinkage
–Statics
Strain energy
–Strain gages
Strain hardening
Strain measurement
Strain meters
Strain rate
–Stress
Stress analysis
Stress concentration
Stress distribution
Stress relaxation
Stress-strain curves
–Structural analysis
Swelling
–Tensile properties
–Tension
Tension tests
Torsion
Triaxial compression
Triaxial loads
Triaxial stress
Triaxial tension
–Volume change
Yield point
Yield strength

Strain energy 2012
BT –Energy
RT –Deformation
Elastic deformation
Elastic theory
–Mechanical properties
–Strain
–Stress
Stress relaxation
Stress relieving

Strain gages 1402
BT –Equipment
–Gages
–Measuring instruments
–Test equipment
NT Extensometers
RT Axial strain
Dial gages
–Instrumentation
–Measurement
Normal strain
Shear strain
–Strain
Strain measurement
Strain meters
Strain rate
Structural behavior
–Transducers

Strain hardening 1308
BT –Hardening
RT Residual stress
–Strain
Stress relieving

Strain measurement 1402
BT –Measurement
RT Axial strain
Extensometers
–Instrumentation
–Materials tests
–Measuring instruments
Normal strain
–Sensors
–Strain
–Strain gages
Strain meters
Strain rate
Structural behavior

Strain meters 1402
BT –Instrumentation
–Measuring instruments
–Meters
RT Extensometers
–Materials tests
Normal strain
–Strain
–Strain gages
Strain measurement
Strain rate
Structural behavior

Strain rate 2012
BT –Rates
RT Axial strain
Experimental data
Loading rate
–Loads (forces)
–Materials tests
Normal strain
–Shear tests
Soil strength
–Strain
–Strain gages
Strain measurement
Strain meters
Stress-strain curves

Stranded conductors 0901
RT Bundled conductors
Bus (electrical)
–Electric cables
–Electric conductors
Electric wire
Power cables
–Transmission lines

Straps 1305
RT –Anchors
–Bracing
Clamps
–Fasteners
–Mechanical fasteners

Strata 0807
RT Aquicludes
Beds (geology)
–Geologic formations
–Geology
Lenses (soils)
–Profiles
–Sedimentary rocks
–Soil horizons
–Stratification
Stratigraphy
Structural geology

Stratification 1407
UF Layering
NT Chemical stratification
Density stratification
Thermal stratification
RT Density-flow
Dissolved oxygen
Epilimnion
Estuaries
Hypolimnion
–Lakes
Lenses (soils)
Multilevel outlets
Oceans
–Profiles
–Reservoirs
–Sedimentation
Sediment concentration
–Soils
Strata
Stratigraphy
Thermal gradient

Stratified flow 2004
BT –Flow
–Movement
RT Density-flow
Flow patterns

Stratigraphy 0807
RT Bedrock
Beds (geology)
Engineering geology
Foundation rocks
Geologic control
–Geologic formations
Geologic mapping
–Geologic time
Groundwater geology
–Hydrogeology
–In situ rock
Marine geology
Outcrops
Paleoclimatology
Paleontology
–Petrology
–Rocks
Sedimentary basins (geological)
Sedimentary petrology
–Sedimentary structures
–Sedimentation
–Soil horizons
Soil profiles
Strata
–Stratification
Structural geology

Stratus clouds 0402
UF Clouds (stratus)
BT –Clouds
RT –Atmosphere
Cirrus clouds
Cloud cover
Cumulonimbus clouds
Cumulus clouds
–Fog
Haze
Smog
Weather

Straw 0603.1
RT Grains (crops)
–Grasses
Hay

Strawberries 0204 0603.1
UF Fragaria
BT –Crops
–Dicots
–Fruit crops
–Horticultural crops
–Plants (botany)
–Stone fruits
–Vine crops

Stray current corrosion 1113
UF Electrolytic corrosion
BT –Corrosion
–Galvanic corrosion
RT Cathodic protection
Corrosion currents
Stress corrosion
Underground corrosion

Stream aggradation
USE Aggradation

Stream-aquifer relationships
USE Surface-groundwater relationships

Stream bank protection
USE Bank protection

USE = Use preferred term; UF = Used for; BT = Broader term; NT = Narrower term; RT = Related term.

Streambed profiles 0808
BT –Profiles
RT Bed ripples
Bedrock
Beds (geology)
Deposition
–Erosion
–Mapping
River beds
–Streambeds

Streambeds 0808
BT –Beds
–Land forms
NT River beds
RT Anchor ice
Banks
Bed load
Bed movements
Bed ripples
Bed roughness
Beds under water
Critical tractive force
Degradation (stream)
Dry beds
–Navigable waters
Ownership of beds
Scour
Streambed profiles
Stream channels
Stream erosion
Streamflow records
Stream meandering
–Streams
Stream valley
–Tractive forces

Stream channels 0808
UF Channels (river)
Channels (stream)
River channels
BT –Channels
–Waterways
RT Bank protection
Bed movements
Channel beds
Channel design
Channel improvements
Dredging
Floodways
–Lakes
River beds
–Rivers
–Streambeds
Stream erosion
–Streams
Stream valley
Thalweg
–Valleys
–Water
Water transportation

Stream drainage patterns 0808
UF Drainage patterns (geologic)
BT –Fluvial morphology
RT Drainage basins
Drainage density
Drainage systems
Geologic control
Geomorphology
–Hydrogeology
–Hydrology
–Land forms
Stream erosion
–Streams
Stream valley
Topography
Tributaries
–Watersheds (basins)

Stream erosion 0808
BT –Erosion
RT Aggradation
Armoring (streambed)
Bank erosion
Bed load
Channel erosion
Channel improvements
Channel protection
Critical tractive force
Degradation (stream)
Gully erosion
Meanders
Regime theory
River currents
–Running waters
Scour
–Sedimentation
–Streambeds
Stream channels
Stream drainage patterns
–Streamflow
Stream improvement
Stream meandering
–Streams
Stream stabilization
Stream valley
–Tractive forces
Turbidity currents

Stream fisheries 0603.2
BT –Fisheries
RT Anadromous fish
Bait fishing
–Cold-water fish
Cold-water fishing
Fly fishing
–Freshwater fish
Sport fishing
–Streams
Warm-water fish
Warm-water fishing

Streamflow 0808
BT –Channel flow
–Flow
–Fluid flow
–Movement
NT Low flow
Natural flow
Regulated flow
–River flow
RT Alteration of flow
Average flow
Backwater profiles
–Channels
–Discharge (water)
Diversion
Downstream
Flood estimate
Flood frequency
–Floods
–Flow augmentation
Flow duration
Flow duration curves
Flow patterns
Fluvial hydraulics
Frazil ice
–Gages
High velocity
High water mark
–Hydraulics
–Hydrographs
Hydrologic budget
Hydrologic equation
–Hydrology
Large watersheds
Low-flow augmentation
Low water mark
–Non-perennial streams
Obstruction to flow
Open channel flow
Peak runoff
Perennial streams
Regime theory
Return flow
River basins
River currents
–Routing
–Runoff
Safe yield
Scour
Stage-discharge relations
Stream erosion
Streamflow forecasting
Streamflow records
Streamflow regulation
Stream gages
Stream gaging station
–Streams
Stream valley
Surface-groundwater relationships
Surface runoff
Synthetic hydrology
Time series analysis
–Tractive forces
Transient flow
Waste dilution
–Water rights
–Watersheds (basins)
–Water surface profiles
Water year
–Weirs

Streamflow depletion 0808
RT Alteration of flow
–Discharge (water)
Diversion
–Flow augmentation
–Hydraulics
–Hydrographs
Low water mark
Obstruction to flow
–Routing
–Runoff
Streamflow forecasting
Streamflow regulation
Stream gages
Surface runoff

Streamflow forecasting 0808
BT –Forecasting
–Water supply forecasting
RT Annual floods
–Floods
–Hydrographs
River forecasting
–Routing
–Runoff
–Streamflow
Streamflow depletion
Streamflow records
Streamflow regulation
–Streams
Stream valley
Unit hydrographs

Streamflow records 0808
BT –Documentation
–Records
RT Float wells
–Hydrometeorological station
Hydrometeorology
–Streambeds
–Streamflow
Streamflow forecasting
Stream gages
Stream gaging station
–Streams
Stream valley

Streamflow regulation 0808
RT Backwater profiles
–Check structures
Design flow
–Floods
Flow measurement
–Flowmeters
Flow profiles
Geomorphology
Inflow
Open channel flow
Orifice meters
Project benefits
Regimen
Sedimentology
–Streamflow
Streamflow depletion
Streamflow forecasting
Water control
–Watersheds (basins)
Weir gages

Streamflow routing
USE Routing

Stream gages 1402
BT –Gages
–Hydrologic instruments
–Instrumentation
–Measuring instruments
RT Current meters
Depth
–Discharge (water)
Discharge measurement
–Flowmeters
Flow rates
–Gaging stations
Height
–Hydrographs
Orifice meters
River currents
Rotating meters
Staff gages
–Streamflow
Streamflow depletion
Streamflow records
Stream gaging station
–Velocity
–Velocity meters
Venturi meters
–Water levels
–Water measurement
Water meters

Stream gaging station 1402
BT –Gaging stations
–Hydrometeorological station
–Stations
RT –Cables
–Concrete structures
Current meters
Discharge measurement
–Equipment
Float wells
Flow measurement
–Flowmeters
Liquid level gages
Stilling wells
–Streamflow
Streamflow records
Stream gages
–Water measurement
Water stage recorders

Stream-groundwater relationships
USE Surface-groundwater relationships

Stream improvement 1302.3
RT Channel improvements
Fish and wildlife
–Hydraulic structures
–Retaining walls
Revetments
Step-downs
Stream erosion
Stream stabilization
Water pollution treatment
–Wildlife management

Streamline flow
USE Laminar flow

Stream meandering 0808
UF Meandering (stream)
River meandering
RT Alluvial channels
Banks
Bank stabilization
Bed movements
Braiding
Channel improvements
–Erosion control
Flood plains
Gabions
Geomorphology
–Land forms
Meanders
–Sedimentation
–Streambeds
Stream erosion
Stream stabilization
Stream valley
Thalweg

Stream pollution 1302.2
UF Contamination (river)
Contamination (stream)
River pollution
BT –Water pollution
RT Acid streams
Biochemical oxygen demand
Condemnation
–Dilution
–Diseases
–Disposal
Dystrophy
Effluent reuse
–Effluents
–Human diseases
Impaired water quality
–Industrial wastes
–Limnology
Non-consumptive use
Path of pollutants
Placer mining
Pollutants
–Pollution control
Public health
Sewage disposal
Soil contamination effects
Thermal pollution
–Toxins
–Waste disposal
–Wastes
Water pollution effects
–Water quality

Streams 0808
(bodies of flowing water, great or small, contained within channels)
UF Brooks
Creeks
Runs
BT –Bodies of water
–Running waters

Subject Category Index numbers follow main terms; (–) = See main entry for narrower terms;

Streams (Con.)
—Waterways
NT Acid streams
Alluvial streams
Effluent streams
Ephemeral streams
Influent streams
Intermittent streams
Interstate rivers
Natural streams
—Non-perennial streams
Perennial streams
—Rivers
Tributaries
Underground streams
Wild rivers
RT Aggradation
Backwater
Banks
Bank storage
Bayous
Bed load
Boundaries (property)
Calefaction
—Channels
—Currents (water)
Degradation (stream)
Design flow
Downstream
Drainage systems
Estuaries
Flood plains
—Floods
Flow profiles
—Fluvial morphology
—Fresh water
Geomorphology
Graded
Gullies
Guts
Headwaters
—Hydrogeology
Ice jams
Inflow
Interfluves
—Limnology
Meanders
Navigable rivers
Non-navigable waters
—Post-impoundment
Pre-impoundment
Reaches (distance)
Regimen
Revetments
River currents
—Runoff
Sedimentology
—Sediment transport
Sediment yield
Self-purification
—Springs (water)
Storm runoff
—Streambeds
Stream channels
Stream drainage patterns
Stream erosion
Stream fisheries
—Streamflow
Streamflow forecasting
Streamflow records
Stream valley
Surface-groundwater relationships
—Surface waters
Suspended sediments
—Thermal springs
Thermal water
Upstream
—Valleys
—Water
Water gaps
—Water levels
—Water resources
—Watersheds (basins)
Water sources
—Water table

Stream stabilization 1302.3
BT —Stabilization
RT Armoring (streambed)
Bank stabilization
Bed movements
Channel improvements
Critical tractive force
—Erosion control
—Hydraulic structures
Meanders
Project benefits
Revetments
Riprap
River training
Stream erosion
Stream improvement
Stream meandering
Stream valley

Stream training
USE River training

Stream valley 0806
UF River valley
BT —Land forms
—Valleys
RT Bank erosion
—Basins
Canyons
—Streambeds
Stream channels
Stream drainage patterns
Stream erosion
—Streamflow
Streamflow forecasting
Streamflow records
Stream meandering
—Streams
Stream stabilization
Thalweg

Streets 1302.4
BT —Roads
RT —Asphalts
Base courses
—Concretes
Culverts
—Highways
—Pavements
—Reinforced concrete
Subbase
Subgrade
—Tunnels

Strength 1407
BT —Mechanical properties
—Physical properties
NT Bearing strength
Cohesive strength
Compressive strength
Design strength
Flexural strength
Shear strength
Soil strength
Splitting tensile strength
—Tensile strength
Ultimate tensile strength
Yield strength
RT —Durability
High strength steels
Persistence
—Resistance
Rock properties
Rupture modulus
Safety factors
—Shear
—Stability
Strength of materials
—Stress

Strength of materials 2012
RT Anisotropy
—Bearing capacity
Bearing strength
Bonding strength
Brittle fractures
—Brittle fracture theory
Compressive strength
Deflection
—Deformation
Design data
Design strength
Direct shear
Effective stress
Elastic theory
Fatigue (materials)
Fatigue tests
Flexural strength
Foreign tests
Griffith theory
Internal forces
Internal friction
Isotropy
—Materials
Materials engineering
Materials failure
Materials stability
—Materials tests
—Mechanical properties
—Metal tests
Modulus of elasticity
Mohr circle
Mohr failure theory
—Prestressing
—Resistance
Rigidity
Rupture modulus
—Shear
Shear failure
Shear resistance
Shear strength
—Shear tests
Solids
Splitting tensile strength
Static tests
—Strength
Stress-strain curves
—Tensile strength
—Tests
Yield point
Yield strength

Streptococcus 0613
BT —Aerobic bacteria
—Bacteria
—Microorganisms
—Plants (botany)
RT Pathogenic bacteria
Sewage bacteria
Thermophilic bacteria

Stress 2012
NT Allowable stress
—Axial stress
Bending stress
Biaxial stress
Circumferential stress
Compressive stress
Effective stress
Moisture stress
Neutral stress
Normal stress
Radial stress
Residual stress
Shear stress
Tangential stress
Tensile stress
Thermal stress
Total stress
Transient stress
Triaxial stress
Twisting stress
RT —Axial tension
—Compaction
—Compression
Creep
Droughts
—Earth pressure
Earthquake loads
—Earthquakes
Elastic limit
—Expansive forces
Fatigue (materials)
Fatigue tests
Hysteresis
Impact
Influence charts
Internal forces
—Loads (forces)
—Mechanical properties
Non-newtonian flow
Normal strain
Plastic theory
Poisson ratio
—Pressure
Prestressed concrete
—Prestressing
Rankine pressure
Reactions (mechanics)
—Resistance
Rock properties
Rupture modulus
—Shear
Shear strain
Shear strength
Soil pressure
—Statics
—Strain
Strain energy
—Strength
Stress analysis
—Stress circle
Stress concentration
Stress corrosion
Stress distribution
Stress gages
Stressing cables
Stress meters
Stress relaxation
Stress relieving
Stress-strain curves
Stress waves
—Structural analysis
Swelling pressure
—Tensile properties
—Tension
Tension tests
Trial-load method
Triaxial compression
—Volume change
Yield point
Yield strength

Stress analysis 2011
UF Analogy (membrane)
Brittle coatings
Coatings (brittle)
Deformeter (beggs)
Membrane analogy
Stress determination
Virtual mass
Virtual work
BT —Analysis
RT Allowable stress
—Analytical techniques
Bending moments
Bending stress
—Earth pressure
Elastic theory
Finite element method
Load distribution
Matrix methods (structural)
Moment distribution
Moments of inertia
Normal stress
Photoelasticity
Pressure distribution
Safety factors
—Strain
—Stress
—Stress circle
Stress concentration
Stress distribution
Stress gages
Stress meters
Stress-strain curves
—Structural analysis
—Structural design
—Structural members
Structural models
Structural relaxation
Trial-load method
--X-ray analysis

Stress circle 2012
BT —Circles (geometry)
—Geometric shapes
NT Mohr circle
RT Normal stress
Shear stress
—Stress
Stress analysis

Stress concentration 2012
UF Concentration (stress)
RT Allowable stress
Load distribution
—Loads (forces)
Notch effect
Photoelasticity
Pressure distribution
Rock pressures
—Strain
—Stress
Stress analysis
Stress distribution
Stress gages
Stress meters

Stress corrosion 1113
BT —Corrosion
RT Cracking
Fatigue (materials)
—Galvanic corrosion
Stray current corrosion
—Stress

Stress determination
USE Stress analysis

Stress distribution 2012
RT Active pressure
Allowable stress
At rest pressure
—Earth pressure
Load distribution
Moment distribution
Normal stress
Passive pressure
Photoelasticity
Pressure distribution

Stress distribution (Con.)
- Shear distribution
- —Strain
- —Stress
- Stress analysis
- Stress concentration
- Stress gages
- Stress meters

Stress gages 1402
- BT —Equipment
- —Gages
- —Measuring instruments
- RT —Instrumentation
- —Materials tests
- —Stress
- Stress analysis
- Stress concentration
- Stress distribution
- Stress meters
- Structural behavior

Stressing cables 1308
- UF Cables (stressing)
- BT —Cables
- RT Posttensioning
- Prestressed concrete
- —Prestressing
- Prestressing systems
- —Stress
- —Wire
- Wire rope

Stress meters 1402
- BT —Equipment
- —Instrumentation
- —Measuring instruments
- —Meters
- RT —Materials tests
- —Stress
- Stress analysis
- Stress concentration
- Stress distribution
- Stress gages
- Structural behavior

Stress relaxation 2012
- BT —Relaxation (mechanics)
- RT Creep
- Ductility
- Fatigue (materials)
- Plastic deformation
- Residual stress
- —Strain
- Strain energy
- —Stress
- Stress relieving

Stress relieving 1308
- BT —Heat treatment
- —Treatment
- RT —Alloys
- Annealing
- Fatigue (materials)
- Fatigue tests
- Longitudinal joints
- Metals treatment
- Penstocks
- —Relaxation (mechanics)
- Residual stress
- —Stabilization
- Steel pipes
- Strain energy
- Strain hardening
- —Stress
- Stress relaxation
- Structural relaxation

Stress-strain curves 2012
- UF Stress-strain relations
- BT —Curves
- —Geometric shapes
- RT Axial strain
- —Axial stress
- —Compression tests
- —Deformation
- Deformation modulus
- Elastic limit
- Experimental data
- Foundation modulus
- —Materials tests
- —Mechanical properties
- Modulus of elasticity
- —Physical properties
- Plastic theory
- Plate load tests
- Poisson ratio
- —Shear tests
- —Strain
- Strain rate
- Strength of materials
- —Stress
- Stress analysis
- —Tensile properties
- Tension tests
- Torsion shear tests
- Ultimate tensile strength
- Vane shear tests
- Yield point
- Yield strength

Stress-strain relations
- USE Stress-strain curves

Stress waves 2012
- BT —Waves
- RT —Blasts
- Cyclic loads
- Dynamic loads
- Earthquake loads
- —Elastic waves
- Impact
- —Mechanical waves
- —Seismic waves
- Shear waves
- Shock waves
- Soil dynamics
- —Stress
- Transient stress
- —Vibration

Stringing 1315
- RT —Electric conductors
- Sagging
- Suspension insulators
- —Tension
- —Transmission lines

Strip aquifers 0808.1
- BT —Aquifers
- RT Aquicludes
- Artesian wells
- Bedrock
- Confined water
- —Geologic formations
- —Groundwater
- Groundwater barriers
- —Hydrogeology
- Permeability
- —Recharge
- Underground storage
- —Water table
- —Water wells

Strip cropping 0204
- UF Strip tillage
- BT —Land management
- RT Contour farming
- Contours
- —Erosion control
- Soil erosion
- —Soil management
- Terraces
- Wind erosion

Striped bass 0603.2
- UF Roccus saxatilis
- BT —Animals
- —Aquatic animals
- —Aquatic life
- —Fish
- —Marine animals
- —Marine fish
- —Saline water fish
- —Sea basses
- —Wildlife

Strip mine lakes 0809
- BT —Bodies of water
- —Lakes
- —Standing waters
- —Surface waters
- RT —Acidic water
- Strip mines

Strip mines 0809
- RT —Acidic soils
- Coal mines
- —Mining
- —Open pit mining
- Quarrying
- Spoil banks
- Strip mine lakes
- Strip mine wastes

Strip mine wastes 0809
- BT —Industrial wastes
- —Mine wastes
- —Wastes
- RT —Acidic water
- Coal mine wastes
- Strip mines
- Water pollution sources

Stripping 1315
- RT —Borrow areas
- Bulldozers
- —Clearing
- Earthmoving
- —Earthworks
- —Excavation
- —Excavators
- Grading (earthwork)
- Overburden
- Quarrying
- Reservoir clearing

Strip tillage
- USE Strip cropping

Strontium radioisotopes 1802
- BT —Isotopes
- —Radioisotopes
- RT Fallout

Structural analysis 1313.5
- BT —Analysis
- NT Matrix methods (structural)
- RT Building design
- Computer applications
- Dead loads
- Deflection
- —Design
- Distortion (structural)
- —Engineering structures
- External forces
- —Frames
- Limit design
- —Live loads
- Load distribution
- —Loads (forces)
- Moment distribution
- Photoelasticity
- Reactions (mechanics)
- Relaxation method
- Rigid frames
- Safety factors
- Slope deflection method
- Space frames
- Spans
- —Stability analysis
- —Statics
- Stiffness matrix
- —Strain
- —Stress
- Stress analysis
- Structural behavior
- —Structural design
- Structural engineering
- —Structural members
- Structural models
- Structural relaxation
- —Structural stability
- Thin shell structures
- Total loads
- Trial-load method
- Ultimate loads
- Ultimate strength design
- Vertical loads
- Yield line method

Structural behavior 1313.5
- UF Behavior (structural)
- BT —Behavior
- RT —Dams
- Deflection
- —Deformation
- Differential displacements
- Dynamic response
- Earthquake damage
- Earthquake-resistant structures
- Field data
- Flexural strength
- —Instrumentation
- —Loads (forces)
- —Mechanical properties
- —Piezometers
- Reactions (mechanics)
- —Rock bolts
- Safety factors
- —Settlement (structural)
- —Strain gages
- Strain measurement
- Strain meters
- Stress gages
- Stress meters
- —Structural analysis
- —Structural design
- Structural models
- Structural relaxation
- —Structural stability
- —Structures
- Thin shell structures
- Tunnel linings
- —Tunnels
- Ultimate loads
- Ultimate strength design
- Vibration damping
- Yield line method

Structural concrete 1303.1
- BT —Building materials
- —Concretes
- —Construction materials
- RT —Beams (structural)
- Columns
- —Concrete structures
- —Engineering structures
- High strength concretes
- Lightweight concretes
- —Reinforced concrete
- Slabs
- —Structural members

Structural design 1313
- BT —Design
- NT Bridge design
- Building design
- Dam design
- Limit design
- Minimum weight design
- RT Arch bridges
- Arches
- Architecture
- Arch trusses
- Bailey bridges
- Bascule bridges
- Bays (structural)
- —Beams (structural)
- Bents (structural)
- Box beams
- Building codes
- Butt joints
- Buttresses
- Canal design
- Cantilevers
- Columns
- Composite beams
- Composite structures
- —Concrete structures
- Continuous beams
- Continuous frames
- —Continuous structures
- Continuous trusses
- Cylindrical shells
- Dead loads
- Deflection
- —Deformation
- Design assumptions
- Design criteria
- Design data
- Design practices
- Design standards
- Design tools
- Differential settlement
- Dynamic loads
- Dynamic response
- Earthquake engineering
- Earthquake loads
- Earthquake-resistant structures
- Eccentric loading
- Effective stress
- Elastic theory
- —Embankments
- External forces
- Flexural strength
- Floors
- —Footings
- —Foundations
- —Frames
- Freeboard
- —Girders
- High strength concretes
- High strength steels
- Influence charts
- Lap joints
- —Live loads
- Load distribution
- Load factors
- —Loads (forces)
- Minimum weight theory
- Moment distribution
- Pin connected joints
- Plastic theory
- Precast concrete
- Prestressed concrete
- Safety factors

Structural design (Con.)
Seismic design
Seismic stability
–Settlement (structural)
–Shell structures
Slabs
Slenderness ratio
Slope deflection method
Space frames
Spans
Steel structures
Stress analysis
–Structural analysis
Structural behavior
Structural engineering
–Structural members
Structural models
Structural relaxation
Structural shapes
–Structural stability
–Structures
Thin shell structures
Timbers
Total loads
–Towers
–Trestles
Trial-load method
Truss bridges
–Trusses
Tunnel design
Ultimate loads
Ultimate strength design
Vertical loads
Warehouses
Web beams
Wind bracing
–Wooden structures
Yield line method

Structural engineering 1313
UF Engineers (structural)
Structural engineers
BT –Civil engineering
–Engineering
RT Architecture
Building design
–Construction methods
–Design
–Engineering mechanics
–Engineering structures
Erection
–Mechanics
–Metalwork
Safety factors
Seismic design
–Settlement (structural)
–Structural analysis
–Structural design
Structural models
Structural relaxation
–Structural stability
–Structures

Structural engineers
USE Structural engineering

Structural geology 0807
BT –Geology
RT –Basins
Bedrock
Beds (geology)
–Continental margin
Continental shelf
Continental slope
Contours
Crusts
–Earthquakes
Faults (geology)
–Fissures (geology)
Folds (geology)
Foundation rocks
Fractures (geology)
Geologic control
–Geologic formations
Geologic mapping
–Geologic structures
Geomorphology
–Hydrogeology
Joints (geology)
Land subsidence
Petrofabrics
–Petrology
Rock mechanics
–Sedimentary structures
Seismology
Strata
Stratigraphy
–Structure
–Valleys

Structural members 1313.5
NT –Beams (structural)
Box beams
Columns
Composite beams
Continuous beams
Corbels
Deep beams
–Girders
Hybrid beams
Plate girders
Struts
Studs
Web beams
RT Arch trusses
Buttresses
Cantilevers
Compression members
–Construction materials
Continuous frames
–Continuous structures
Continuous trusses
Dowels
–Engineering structures
–Foundations
–Frames
Influence charts
–Joints (connections)
–Masonry
Minimum weight design
–Piers
–Piles (foundations)
–Plates
Posttensioning
Precast concrete
Prestressed concrete
–Prestressing
Rigid frames
Roof supports
Slabs
Slenderness ratio
Spans
–Steel plates
Stress analysis
–Structural analysis
Structural concrete
–Structural design
Structural shapes
Structural steel
–Structures
–Supports
–Trestles
–Trusses

Structural models 1313.5
BT –Models
RT –Model studies
Model tests
Safety factors
Stress analysis
–Structural analysis
Structural behavior
–Structural design
Structural engineering
–Structural stability
–Structures

Structural relaxation 1313.5
UF Relaxation (structural)
BT –Relaxation (mechanics)
RT Dead loads
Relaxation method
Stress analysis
Stress relieving
–Structural analysis
Structural behavior
–Structural design
Structural engineering

Structural shape jacks
USE Jacks (structural shape)

Structural shapes 1303
UF Beams (channel)
Channel beams
RT –Bars
–Beams (structural)
Box beams
Columns
Configuration
Curved profiles
Cylindrical shells
Domes (structural)
Jacks (structural shape)
–Plates
–Rods
–Steel plates
–Structural design
–Structural members
Structural steel
Thin shell structures
–Tubes
Welded joints
–Welding

Structural stability 1313.5
BT –Stability
NT Dam stability
RT –Bracing
Buttresses
Deflection
–Deformation
Dynamic stability
Earthquake loads
–Failure (mechanics)
–Footings
–Foundations
–Loads (forces)
–Mechanical properties
Safety factors
Seismic design
Seismic stability
–Slope stability
–Stability analysis
–Structural analysis
Structural behavior
–Structural design
Structural engineering
Structural models
–Structures

Structural steel 1106
BT –Alloys
–Building materials
–Construction materials
–Iron alloys
–Metals
–Steel
RT –Alloys
–Beams (structural)
Carbon alloys
Carbon steels
–Engineering structures
Erection
Fabrication
Flanges
Gusset plates
High-bond reinforcing bars
High strength steels
–Metalwork
Plate girders
–Plates
Prestressed steel
–Prestressing
–Reinforcement
–Reinforcing materials
–Reinforcing steels
Steel structures
–Structural members
Structural shapes
Transmission towers
Welded joints
–Welding

Structure 2012
NT Molecular structure
Soil structure
Storm structure
Water structure
RT –Morphology
Plant morphology
Structural geology

Structures 1313.5
Use of a more specific term is recommended
NT Biotrons
Blowoff structures
–Bridges (structures)
–Buildings
Buried structures
–Canals
Cast-in-place structures
Cellular structures
–Check structures
–Coastal structures
Composite structures
–Concrete structures
–Continuous structures
Control structures
–Conveyance structures
–Dams
Earthquake-resistant structures
–Engineering structures
Fixed structures
Hinged structures
–Hydraulic structures
–Intake structures
Large structures
–Laterals
Multilevel outlets
Multiple purpose structures
–Outlet works
Powerhouses
Pumping plants
–Shell structures
Skewed structures
Small structures
–Spillways
Steel structures
Thin shell structures
–Towers
–Trestles
Underground powerplants
–Underground structures
–Wooden structures
RT Appurtenances
Architecture
Flexible foundations
–Industrial plants
–Mills
Rehabilitation
Safety factors
Seismic properties
Seismic stability
–Settlement (structural)
Structural behavior
–Structural design
Structural engineering
–Structural members
Structural models
–Structural stability

Struts 1313.5
BT –Structural members
RT –Bracing
Columns
Compression members
–Frames
Shoring
–Supports
–Trusses
Tunnel linings
Tunnel supports

Stubble mulching 0204
BT –Land management
–Mulching
–Soil management
RT Arid lands
–Cover crops
Crop response
Dry land farming
Soil-water-plant relationships
Water conservation
–Water management (applied)
–Weed control

Students 0509
RT Careers
Colleges
–Education
Employment opportunities
–Instruction
Professional development
–Schools (education)
–Training
Universities

Studs 1305
BT –Structural members
RT –Anchors
–Bolts
Columns
Compression members
–Fasteners
–Mechanical fasteners
–Pins (mechanical)
Screws
–Walls

Styrene resins 1109
BT –Resins
–Synthetic resins
–Vinyl resins
NT Polystyrene
RT Aromatic solvents
Copolymers
Synthetic rubber

Subarctic 0402
RT Alaska
Antarctic
Arctic
Climatic zones
–Cold regions
Cold weather construction

Subarctic (Con.)
Permafrost
—Podzols
Polar regions
—Regions
Semiarid climates
Subhumid areas
Subhumid climates
Temperate
Tundra

Subatmospheric pressure 2004
BT —Vacuum
NT Negative pore pressure
RT Atmospheric pressure
Cavitation index
—Hydraulic models
Low pressure
Pump intakes
—Vacuum apparatus
Vacuum breakers
Vacuum drying
Vacuum pumps
Vapor pressure
Water column separation

Subbase 1302.4
RT Base courses
—Foundations
—Highways
—Pavements
—Roads
Runways
Streets
Subgrade

Subclimax 0606
BT —Climax
—Ecosystems
—Succession

Subcritical flow 2004
UF Tranquil flow
BT —Critical flow
—Flow
—Fluid flow
—Movement
RT Critical depth
Critical velocity
Laminar flow
Orifice flow
Pipe flow
Steady flow
Transient flow
Turbulent flow

Subgrade 1302.4
RT Base courses
—Foundations
—Highways
—Pavements
—Roads
Runways
Streets
Subbase
Subsoil

Subhumid areas 0806
RT Droughts
Humid areas
—Rainfall
Semiarid climates
Semiarid land
Subarctic
Subhumid climates
Subtropic
Temperate

Subhumid climates 0402
BT —Climate
RT Chernozems
Chestnut soils
—Grasslands
Humid areas
Humid climates
Prairie soils
Semiarid climates
Subarctic
Subhumid areas
Subtropic
Temperate

Subirrigation
USE Subsurface irrigation

Subject indexing 0502
UF Classification (documentation)
NT Coordinate indexing
RT Catalogs
—Classifications
—Documentation
Indexes (documentation)
—Indexing
Information retrieval
Information science
Keywords
Libraries
Nomenclatures
Selective dissemination
Thesaurus

Sublaterals 0203.1 1313.1
BT —Channels
—Conveyance structures
—Irrigation canals
—Laterals
RT —Conduits
—Ditches
—Pipelines
Unlined canals

Sublimation 0704
RT —Condensation
—Evaporation
—Freezing
—Ice
Latent heat
Nucleation
Phase studies
—Separation techniques
—Snow
Snow management
—Temperature
Vapor pressure
—Water vapor

Submarine cables 0901
BT —Transmission lines
RT Coaxial cables
—Electric cables
—Electric conductors
Power cables
Underground cables
Underground transmission lines
—Underwater excavation

Submarine pipelines 1313.3
BT —Conduits
—Pipelines
RT Crossings
Dredging
—Gages
Hydraulic conduits
—Oils
—Pipes
Pressure conduits
—Transportation
Underwater construction
—Underwater excavation

Submarines 1310
BT —Ships
RT Military aspects
Naval architecture
Underwater

Submerged flow 2004
RT Draft tubes
Jet diffusion
Submerged orifices
Submerged weirs
Submergence

Submerged lands
USE Beds

Submerged orifices 2004
BT —Orifices
RT Flow measurement
Metergates
Nozzles
Orifice flow
Orifice meters
Submerged flow

Submerged plants 0603.1
BT —Aquatic life
—Aquatic plants
—Plants (botany)
NT —Pondweeds
Sago pondweed
—Submersed weeds
RT —Aquatic algae
—Aquatic microorganisms
—Aquatic weeds
—Floating plants
Plant groupings
—Rooted aquatic plants
Underwater

Submerged soils
USE Aquatic soils

Submerged vegetation stage 0606
BT —Ecosystems
—Lake stages
—Succession

Submerged weirs 1402
BT —Weirs
RT Broad-crested weirs
Cipolletti weirs
Discharge measurement
Flow measurement
Rectangular weirs
Sharp crested weirs
Submerged flow
Vee-notched weirs
Weir crests
Weir ponds

Submergence 1407
RT Anchor ice
Buoyancy
Drowned (submerged)
—Flooding
—Flotation
Pump intakes
Quenching
Saturation
Soaking
Submerged flow
—Subsidence
Underground
Underwater foundations
Wetting

Submersed weeds 0603.1
BT —Aquatic weeds
—Submerged plants
—Weeds
NT —Pondweeds
Sago pondweed
RT —Floating plants
—Floating weeds
—Rooted aquatic plants

Subsidence 1407
NT Deep subsidence
Embankment subsidence
Land subsidence
Shallow subsidence
RT —Compaction
—Consolidation
—Cooling
—Damages
Deep-well pumping
—Deformation
—Depletion
Deposition
Depression
Differential settlement
Groundwater depletion
Loess
—Mines
—Mining
Ponding
—Pumping
Sagponds
—Settlement (structural)
Sinkholes
Sinks
Submergence
Unconsolidated soils
Underconsolidation
—Wells
Withdrawal

Subsoil 0807
BT —Earth materials
—Materials
—Soils
RT —Foundations
Hardpan
Root zone
Soil classifications
—Soil horizons
Soil profiles
Soil surfaces
Subgrade
Subsurface moisture
Topsoil

Subsonic flow 2004
UF Subsonic streams
BT —Compressible flow
—Flow
—Fluid flow
—Movement
RT Aerodynamics
—Fluid dynamics
Mach number
Supersonic flow

Subsonic streams
USE Subsonic flow

Subsonic wind tunnels
USE Wind tunnels

Substations (electrical) 0903
UF Electrical substations
RT Air switches
Bus (electrical)
Circuit protection
—Converters (electrical)
Disconnecting switches
Electrical design
Electrical engineering
—Electrical equipment
—Electrical insulators
—Electric cables
Electric networks
—Electric power
Electric power distribution
—Electric switches
—Power transformers
Protective relaying
Switchyards (electrical)
Terminal facilities (electrical)
—Transformers
—Transmission (electrical)
—Transmission lines
Voltage regulators

Substituted urea pesticides
USE Urea pesticides

Substrates 1104
RT —Coatings
—Laminates
Plating
Primers (coatings)

Subsurface drainage 0808.1
BT —Drainage
NT Mole drainage
Tile drainage
RT Drainage systems
Electroosmosis
—Flow
Karst
Leaching
Oil reservoirs
Percolation
Permeability
Porosity
—Seepage
Sewers
Sinks
Storm drains
—Subsurface drains
Subsurface flow
Subsurface irrigation
Subsurface runoff
—Subsurface waters
Tile drains
Underground
Underground streams
—Unsaturated flow
—Water wells
—Zone of aeration

Subsurface drains 0808.1
BT —Drains
NT Tile drains
Underdrains
RT Dewatering
—Drainage
Drainage costs
Drainage systems
Drain spacing
Drain tiles
French drains
Horizontal drains
Manholes
Sand drains
—Subsurface drainage
Subsurface moisture
Toe drains
Vertical drains

Subsurface explorations
USE Subsurface investigations

Subsurface flow 0808.1
BT —Flow

1253

Subsurface flow (Con.)
–Movement
RT Flow patterns
Groundwater flow
Groundwater movement
Soil water movement
–Subsurface drainage
Subsurface runoff
–Vadose water
–Zone of aeration

Subsurface investigations 0807
UF Explorations (subsurface)
Subsurface explorations
BT –Investigations
RT Auger borings
–Borehole cameras
Borehole geophysics
–Drift
Drill holes
Drill hole TV cameras
–Drilling
Electrical well logging
–Exploration
Foundation investigations
–Geologic investigations
Geophysical logging
–Geophysical prospecting
Gravimetric prospecting
–In situ rock
–Logging (recording)
Logs
Penetration tests
–Pits
Rock pressures
–Sampling
Sediment sampling
Seismic investigations
Seismic refraction
Seismic velocity
Soil investigations
Soil profiles
Sounding
Subsurface mapping
Subsurface moisture
Test holes
Test pits
–Trenches
Underground
Underground openings
–Well logging

Subsurface irrigation 0203.1
UF Subirrigation
BT –Gravity irrigation
–Irrigation
–Irrigation systems
RT Demand (irrigation systems)
Mole irrigation
Permeability
–Pipes
–Subsurface drainage
–Surface irrigation
Underground

Subsurface mapping 0807
BT –Mapping
RT –Drilling
Foundation investigations
Geologic mapping
Geologic maps
–Geophysics
–In situ rock
–Maps
Seismic refraction
Soil investigations
Soil profiles
Sounding
Subsurface investigations
Underground

Subsurface moisture 0808.1
BT –Moisture
RT –Groundwater
Groundwater basins
Groundwater mounds
–Moisture content
Perched water table
Saturation
–Soil moisture
–Soil water
Subsoil
–Subsurface drains
Subsurface investigations
–Subsurface waters
–Water content
–Water table

Subsurface runoff 0808.1
UF Interflow
Storm seepage
Subsurface storm flow
BT –Runoff
RT Groundwater flow
Groundwater movement
Hydrologic equation
Percolating water
Soil water movement
–Subsurface drainage
Subsurface flow
–Subsurface waters
Well permits
Well regulations

Subsurface storm flow
USE Subsurface runoff

Subsurface waters 0808.1
BT –Water types
NT Artesian water
–Capillary water
Confined water
Connate water
Excess water (soils)
Fringe water
Gravitational water
–Groundwater
Hygroscopic water
Juvenile water
Malenclaves
Saline groundwater
–Soil water
Underflow
–Vadose water
RT Adsorbed water
–Aquifers
Artesian aquifers
Artesian wells
Conjunctive use
Drainage water
Geysers
Groundwater basins
–Hydrogeology
Hydrologic cycle
Hydrologic equation
–Running waters
–Saline water intrusion
–Soil moisture
–Springs (water)
–Subsurface drainage
Subsurface moisture
Subsurface runoff
Underground
Underground streams
–Water resources
Well permits
Well regulations
–Zone of aeration
Zone of saturation

Subtropic 0402
RT Climatic zones
Humid climates
Laterites
–Pedalfers
Rain forests
Red podzolic soils
–Regions
Semiarid climates
Subhumid areas
Subhumid climates
Temperate
Tropic
Wet climates
Yellow podzolic soils

Suburban studies
USE Urbanization

Succession 0606
BT –Ecosystems
NT Allogenic succession
Annual succession
Autogenic succession
Climatic climax
–Climax
Disclimax
Dune succession
Emerging vegetation stage
–Lake stages
Pioneer stage
Postclimax
Preclimax
Subclimax
Submerged vegetation stage
Temporary pond stage
RT Balance of nature
–Biological communities
–Biology
Clear-cutting
Competition
–Control
–Cutting management
–Cycles
Dominant organisms
Early impoundment
–Ecology
–Environmental effects
Environmental gradient
–Environments
–Forests
–Grasslands
–Habitats
Invasion
–Migration
Mixed forests
Persistence
Plant populations
–Plants (botany)
–Population
Radioactivity effects
Ranges
–Reservoir stages
–Resistance

Suckering
USE Vegetation regrowth

Suckers 0603.2
UF Catastomids
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Freshwater fish
–Wildlife
NT Buffalo fishes
Carpsucker

Suction 1407
NT Soil suction
RT Low pressure
Negative pore pressure
–Negative pressure
–Pressure
–Vacuum

Sudangrass 0603.1
UF Sorghum sudanense
BT –Agronomic crops
–Crops
–Field crops
–Forage grasses
–Forages
–Grasses
–Monocots
–Plants (botany)
RT Silage
Sorghum

Sudden enlargements 2004
RT Contraction
–Hydraulic valves
Nappe
Nozzles
Orifice flow
–Outlets
Pipe flow
–Pipelines
–Reservoirs
Taper
–Transitions (structures)
Vena contracta

Sugar beets 0204 0603.1
UF Beta saccharifera
BT –Agronomic crops
–Crops
–Dicots
–Field crops
–Fruit crops
–Horticultural crops
–Plants (botany)
–Sugar crops
RT Silage

Sugarcane 0204 0603.1
UF Saccharum officinarum
BT –Agronomic crops
–Crops
–Field crops
–Monocots
–Plants (botany)
–Sugar crops

Sugar crops 0204
BT –Agronomic crops
–Crops
–Field crops
–Plants (botany)
NT Sugar beets
Sugarcane
RT –Carbohydrates
–Dicots
–Monocots
Plant groupings

Sulfate attack 1303.1
BT –Chemical degradation
RT –Chemical reactions
Chemical stability
–Concrete technology
–Portland cements
Sulfate-resisting cements
–Sulfates
Sulfuric acid

Sulfate reducing bacteria 0613
UF Sulfur bacteria
BT –Anaerobic bacteria
–Bacteria
–Microorganisms
NT Beggiatoa
Thiobacillus ferrooxidans
RT Acid bacteria
–Aerobic bacteria
–Aquatic bacteria
–Aquatic microorganisms
–Corrosion
–Iron bacteria
Marine bacteria
Photosynthetic bacteria
Sewage bacteria
–Soil bacteria
Sulfur

Sulfate-resisting cements 1303.1
BT –Cements
–Portland cements
RT –Concrete technology
Sulfate attack

Sulfates 0702
BT –Chemical compounds
–Sulfur compounds
NT Anhydrite
–Calcium sulfate
Copper sulfate
Gypsum
Sodium sulfate
RT Saline soils
Sulfate attack
Sulfuric acid

Sulfides 0702
BT –Chemical compounds
–Inorganic compounds
–Sulfur compounds
NT Hydrogen sulfide
RT Pyrite

Sulfite liquors 1112
BT –Chemical compounds
–Sulfur compounds
–Wastes
RT –Industrial wastes
Pulp wastes
–Waste treatment
Water pollution sources

Sulfonates 0703
BT –Chemical compounds
–Organic compounds
–Sulfur compounds
NT Alkylbenzene sulfonates
Linear alkylate sulfonates
RT Detergents
–Surfactants

Sulfur 0702
BT –Chemical elements
–Nonmetals
RT –Sulfate reducing bacteria
–Sulfur compounds
Sulfuric acid

Sulfur bacteria
USE Sulfate reducing bacteria

Sulfur compounds 0702 0703
BT –Chemical compounds
NT Alkylbenzene sulfonates
–Calcium sulfate
Copper sulfate
Diazinon
Gypsum
Hydrogen sulfide

Sulfur compounds (Con.)
Linear alkylate sulfonates
Paraquat
–Phosphothioate pesticides
Sodium sulfate
–Sulfates
–Sulfides
Sulfite liquors
–Sulfonates
Sulfuric acid
RT Sulfur

Sulfuric acid 0702
BT –Acids
–Chemical compounds
–Chemicals
–Sulfur compounds
RT Sulfate attack
–Sulfates
Sulfur

Summer 0402
BT –Seasons
RT Seasonal

Sumps 1302
RT Cesspools
Dewatering
–Drainage
Drainage systems
Drainage wells
–Drains
–Pits
–Pumping
Shallow wells
–Waste disposal
–Wells

Sun 0301
BT –Astronomical bodies
–Stars
RT Astronomy
Solar radiation
Solar systems

Sunfishes 0603.2
UF Bluegills
Centrarchus species
Crappies
Lepomis species
Pomoxis species
BT –Animals
–Aquatic animals
–Aquatic life
–Fish
–Freshwater fish
–Pan fish
–Wildlife
NT Bass
Roanoke bass
Rock bass

Sunspot
USE Solar disturbances

Superconductivity 2003
BT –Conductivity
–Electrical properties
–Physical properties
RT –Alloys
Electrical impedance
Electrical resistance
Low temperature
Solid state physics

Superconductors 2003
BT –Electric conductors
RT –Alloys
Lead (element)
Mercury (metal)
Niobium
Tin
Vanadium

Supercooled fog 0402
BT –Fog
RT –Freezing
–Ice
Ice formation

Supercooling 2013
BT –Cooling
RT –Condensation
Crystallization
Equilibrium
–Freezing
Precooling
Supersaturation
–Temperature
Water cooling

Supercritical flow 2004
UF Rapid flow
BT –Critical flow
–Flow
–Fluid flow
–Movement
RT Critical depth
Critical velocity
Flow patterns
High velocity
Orifice flow
Pipe flow
Transient flow
Turbulent flow
Wave pile-up

Superhumid climates
USE Wet climates

Superimposed drainage 0808.1
BT –Drainage
RT –Erosion
Geomorphology
–Sedimentation

Supersaturation 2013
RT Crystallization
Quenching
Saturation
Supercooling

Supersonic flow 2004
UF Supersonic streams
BT –Compressible flow
–Flow
–Fluid flow
–Movement
RT Aerodynamics
–Fluid dynamics
Mach number
Shock waves
Subsonic flow
Wind tunnels

Supersonic streams
USE Supersonic flow

Supersonic wind tunnels
USE Wind tunnels

Supervision 0501
RT Coordination
Decision making
Employee relations
Executives
Leadership
–Management
–Personnel
Personnel management
Responsibilities

Supervisory control (power) 0903
BT –Control
RT Automatic control
–Computers
Electric networks
–Electric power
Electric power demand
–Electric power production
Electric relays
Microwaves
Telemetry
–Transmission (electrical)

Supplemental irrigation 0203.1
BT –Irrigation
–Irrigation practices
RT Droughts
Humid climates
Moisture availability
–Precipitation (atmospheric)
Timing

Supplemental water 0203.1
BT –Water
RT –Industrial water
–Irrigation
–Irrigation water
Municipal water

Supply 0503
NT Capital supply
Labor supply
Water supply
RT Commerce
–Demand
–Economics
Elasticity of supply
Foreign products
Guarantees
Logistics
–Materials
–Population
–Prices
–Procurement
Supply contracts
Warehouses

Supply contracts 0504.1
BT –Contracts
RT –Contract administration
Contracting
Engineers estimates
–Equipment
Foreign products
Guarantees
–Legal aspects
Litigation
Performance
Specifications
–Standards
–Supply

Supports 1313.5
NT Roof supports
Tunnel supports
RT –Beams (structural)
–Bearings
–Bracing
Bushings
Buttresses
Columns
Compression members
Cribbing
Flexible tubing
–Footings
–Foundations
–Frames
–Girders
Journal bearings
–Loads (forces)
Pad footings
–Piers
–Piles (foundations)
–Reinforcement
–Rock bolts
Scaffolds
–Shafts (machinery)
Shoring
–Structural members
Struts
Tie rods
Timbers
–Trestles
Web beams

Suppressants
USE Retardants

Suppression (electrical) 2003
RT Attenuation
–Damping
Electrical insulation
–Shielding

Surcharge 1407
RT –Consolidation
Horizontal loads
Loading rate
–Loads (forces)
Passive pressure
Preconsolidated soils
Preconsolidation
Preloading
Pressure head
Reservoir capacity
–Settlement (structural)
Storage capacity

Surf 0803
RT –Beaches
Ocean beaches
–Ocean waves
–Shores
Surf-boarding
Surf-casting

Surface drainage 0808.1
UF Land drainage
BT –Drainage
RT –Canals
–Channels
Culverts
Dewatering
Grassed waterways
–Land
Snowmelt
Surface runoff
–Surface waters
Water spreading
–Water yield

Surface-groundwater relationships 0808.1
UF Aquifer-stream relationships
Groundwater-surface relationships
Stream-aquifer relationships
Stream-groundwater relationships
RT Bank storage
Base flow
Conjunctive use
–Groundwater
Hydrologic equation
–Irrigation water
Natural recharge
Rainfall-runoff relationships
–Recharge
–Runoff
–Streamflow
–Streams
–Surface waters
–Water storage

Surface irrigation 0203.1
BT –Distribution systems
–Irrigation
–Irrigation systems
NT Border irrigation
Flood irrigation
–Furrow irrigation
Trickle irrigation
RT Agriculture
Demand (irrigation systems)
–Ditches
–Flooding
–Irrigation canals
Land development
Land preparation
Return flow
–Seepage
Sprinkler irrigation
Subsurface irrigation
Water application rate
Water requirements
Wetting front

Surface preparation 1308
RT Abrasive blasting
Cleaning
–Coatings
Concrete finishing
–Finishing
Grading (earthwork)
Grinding
Machining
Painting
Paving
Primers (coatings)
–Surface properties
Surface sealing
–Surfacing

Surface properties 1407
BT –Properties
NT Adhesion
Emissivity
Reflectivity
Surface tension
Wettability
RT –Adsorption
Albedo
Bonding
Capillarity
–Chemical properties
–Coatings
Color
–Corrosion
Crazing
–Diffusion
Efflorescence
Etching
External friction
–Finishes
Friction coefficient (hydraulic)
Friction coefficient (mechanical)
Friction tests
Grain shapes
–Hardening
–Interfaces
–Ion adsorption
–Mechanical properties
Negative friction
–Optical properties
Permeability
Pitting
Relative roughness
–Resistance coefficients

Surface properties (Con.)
Ripple marks
—Roughness
Roughness coefficient
Skin friction
Sliding resistance
Smoothness
Sorption
Surface preparation
—Surfaces
Texture
Viscosity
—Void ratio
Wall friction
Wetting agents

Surface runoff 0808
UF Diffused surface water
BT —Runoff
RT Cloudbursts
Drainage water
—Floods
Grassed waterways
—Hydrographs
Hydrologic budget
Large watersheds
Overland flow
Peak discharge
Peak floods
Peak runoff
Precipitation excess
Rainfall disposition
Rain water
Repulsion (legal aspects)
Riddance (legal aspects)
River basins
Sheet erosion
—Slopes
Small watersheds
Snowmelt
Soil erosion
Storm drains
Storm runoff
—Streamflow
Streamflow depletion
Surface drainage
Surface storage
—Surface waters
Time of concentration
Topsoil
Unit hydrographs
Vegetation effects
Waste water
Water collection systems
Watershed management
—Watersheds (basins)
Water sources
—Water supply forecasting

Surfaces 1407
NT Failure surfaces
Flat surfaces
Free surfaces
Soil surfaces
RT —Adsorption
Area
Areal
—Boundaries (surfaces)
—Coatings
Concrete finishing
Configuration
Crusts
Depression storage
—Finishes
—Geometric shapes
Hard surfacing
—Interfaces
—Morphology
Oil-water interfaces
Preparation
Pressure drag
—Profiles
Ripple marks
—Shape
Shear drag
Specific surface
—Surface properties
Surface tension
—Surfacing
Terraces (geological)
—Water levels
Wettability

Surface sealing 1315
RT —Finishes
Permeability
—Sealants
—Seepage
Shotcrete
Soil compaction
Soil density
Soil sealants
Soil surfaces
Surface preparation
—Surfacing
—Treatment

Surface storage 0808
RT Depression storage
Infiltration
Rainfall-runoff relationships
Surface runoff

Surface tension 0704
BT —Surface properties
—Tension
RT Capillarity
Capillary action
Capillary pressure
—Drops (fluids)
—Flotation
—Interfaces
—Mechanical properties
Negative pore pressure
—Negative pressure
—Pore pressure
Soil suction
—Surfaces
—Surfactants
Tensiometers
Water properties
Weber number
Wettability

Surface waters 0808
BT —Bodies of water
—Water
NT Afterbays
Detention reservoirs
Equalizing reservoirs
Evaporation reservoirs
Farm ponds
Forebays
Great ponds
Gulfs
Iced lakes
Interstate rivers
—Lakes
Multiple purpose reservoirs
Natural streams
Navigable rivers
Oceans
Playa lakes
—Ponds
—Reservoirs
—Rivers
Sagponds
Saline lakes
Stock ponds
Strip mine lakes
RT —Aquatic environment
Bank storage
Conjunctive use
—Drainage
Drainage systems
Drainage water
Dystrophy
Eutrophication
—Evaporation
—Floods
—Fresh water
—Gaging stations
—Groundwater
Groundwater hydrology
—Hydrogeology
Hydrography
Hydrologic cycle
Hydrologic equation
—Hydrology
—Irrigation
Large watersheds
—Limnology
—Marshes
Oligotrophy
Peak runoff
—Precipitation (atmospheric)
—Recharge
Repulsion (legal aspects)
Riddance (legal aspects)
River basins
—Running waters
—Runoff
Seiches
Shallow water
—Soil water
—Standing waters
—Streams
Surface drainage
Surface-groundwater relationships
Surface runoff
—Swamps
Waste assimilative capacity
Water collection systems
—Water resources
—Watersheds (basins)
Water sources
Water supply
—Water types
—Wetlands

Surfacing 1308
NT Hard surfacing
RT Anodizing
Cladding
—Coatings
Crusts
Dam crests
Galvanizing
—Hardening
—Linings
Painting
Parking areas
—Pavements
Paving
—Protective coatings
Road construction
Roofing materials
Sheathing
Surface preparation
—Surfaces
Surface sealing
Waterproofing
Weatherproofing

Surfactants 1111
NT Linear alkylate sulfonates
RT —Admixtures
Detergents
—Dispersants
Emulsifying agents
Foam fractionation
Foam separation
Formulation
—Retardants
Soaps
—Sulfonates
Surface tension
Water pollution sources
Wettability
Wetting
Wetting agents

Surf-boarding 0511
BT —Recreation
—Water sports
RT Surf

Surf-casting 0511
BT —Fishing
—Recreation
—Water sports
RT Cold-water fishing
Fishing gear
—Freshwater fish
—Marine fish
Marine fisheries
Sport fish
Sport fishing
Surf

Surges 1407
NT Surge waves
Switching surges
RT Bores (wave)
—Disturbances
Draft tubes
Flood waves
—Fluid flow
—Frequency
Gusts
Hurricanes
Hydraulic jump
Hydraulic transients
Hydrodynamic pressure
—Mechanical waves
Overvoltage
Plumbing
Pulses
Seiches
Slug flow
Tidal energy
Transients
Vibration damping
—Water circulation
Water column separation
Water hammer
Wave period
—Waves
—Waves (water)
—Wind (meteorology)
Wind tides

Surge tanks 1313 1
BT —Tanks (containers)
RT Absorbers
Air chambers
—Concrete structures
—Hydraulic structures
Hydraulic transients
Hydroelectric power
Penstocks
—Pipelines

Surge waves 2004
BT —Surges
—Waves
—Waves (water)
RT Bores (wave)
Wave generation
Wave period
Wave suppressors

Surplus water 0504 1
UF Excess water (legal aspects)
BT —Water types
RT Overflow
—Prior appropriation
—Water storage

Surveying 0802
NT —Plane surveying
RT Aerial photography
Alinement
Angles (geometry)
Azimuth
Baselines
Bathymetry
Bench marks
Cadastral surveys
—Civil engineering
—Coordinates
Direction finding
—Drilling
—Exploration
Field control
Field data
Geodesy
Geodetic surveys
—Geologic investigations
—Geophysics
Grid systems
Highway engineering
Hydrographic surveys
—Investigations
Lasers
Locating
—Mapping
—Maps
—Measurement
Monuments
Offsets
Orientation
Photogrammetry
Position finding
—Profiles
—Radar
Ranges (distance)
Reconnaissance surveys
Right-of-way
Soil investigations
Sounding
Surveying instruments
—Surveys
Survey stations
Telemetry
Tellurometers
Terrain analysis
Theodolites
Topographic mapping
Topography
Triangulation nets
Trigonometry

Surveying instruments 0802
UF Instruments (surveying)
BT —Instrumentation
RT Altimeters
Geodimeters
—Mapping
—Measurement
—Optical instruments
—Plane surveying
Second order surveys
Sextants
—Surveying
—Surveys
—Tapes

Surveying instruments (Con.)
Tellurometers
Theodolites

Surveys 1302
UF Reconnaissance
NT Aerial surveys
Cadastral surveys
First order surveys
Geodetic surveys
Geological surveys
Hydrographic surveys
Magnetic surveys
Reconnaissance surveys
Reservoir surveys
Resistivity surveys
Second order surveys
Snow surveys
Soil surveys
Topographic surveys
RT Aerial photography
Aerial reconnaissance
Baselines
Bathymetry
Bench marks
Design data
—Drilling
Estimating
—Exploration
Field data
Geodesy
—Geologic investigations
Geometry
—Geophysics
Grid systems
Hydrography
Hydrologic data
—Inspection
—Investigations
—Mapping
—Maps
—Measurement
Photogrammetry
—Photography
—Plane surveying
Position finding
Preliminary investigations
—Profiles
Ranges (distance)
Right-of-way
Scale (ratio)
Soil investigations
Sounding
—Surveying
Surveying instruments
Telemetry
Terrain analysis
Test procedures
—Zoning

Surveys (data collection) 1407
RT —Census
Creel census
Data collections
Data collection systems
—Economics
Questionnaires
—Statistical analysis

Survey stations 0802
RT Alinement
Locations
—Measurement
Monuments
Position finding
—Surveying

Suspended load 0808
UF Wash load
BT —Sediment load
—Sediments
RT Particle size
—Running waters
—Runoff
Sediment samplers
Sediment sampling
Suspension

Suspended sediments 0808
BT —Sediments
RT Bed load
Bedload movement
Bed movements
—Colloids
Dispersion
Particle size
—Running waters
—Runoff
Saltation
—Sediment deposits
Sediment discharge
—Sediment load
Sediment samplers
—Sediment transport
—Streams
Suspended solids
Suspension
Turbidimeters
Turbidity

Suspended solids 0808
BT —Sediments
RT Bed load
—Colloids
—Mixtures
Particle size
—Running waters
—Runoff
Saltation
—Sediment transport
Slurries
Suspended sediments
Suspension
Turbidimeters
Turbidity

Suspension 1407
RT —Aquatic drift
Desilting
Dispersion
—Emulsions
Mixing
Mixing length
Sedimentology
—Sediment transport
—Seston
Settling velocity
Slurries
Springs (mechanical)
Suspended load
Suspended sediments
Suspended solids
Suspension bridges
Tripton
Turbidity

Suspension bridges 1313.5
BT —Bridges (structures)
—Engineering structures
RT Abutments
Aeolian vibration
Bridge construction
Bridge design
—Cables
Highway bridges
Railroad bridges
Spans
Suspension
—Towers

Suspension insulators 0901
BT —Electrical equipment
—Electrical insulators
RT Electrical insulation
Stringing
—Transmission lines

Suwannee bass
USE Bass

Swamps 0808
BT —Land forms
—Wetlands
NT Mangrove swamps
RT —Aquatic environment
—Aquatic habitats
—Bodies of water
—Bogs
Coastal marshes
Deltas
Drainage wells
—Lakes
—Lake stages
Land reclamation
—Marshes
Muskeg
Quicksand
Shallow water
Stagnant water
—Standing waters
—Surface waters
Terrain
Waterlogged land

Swans 0603.2
BT —Animals
—Birds
—Non-game birds
—Wildlife
NT Mute swan
Trumpeter swan
Whistling swan

Sweat 0616
RT Exudation
Heat resistance (biological)
Respiration
Transpiration
Water balance
—Water types

Sweet corn 0204 0603.1
UF Corn (sweet)
BT —Crops
—Field crops
—Grasses
—Horticultural crops
—Monocots
—Plants (botany)
—Vegetable crops
RT Corn (field)

Sweet potatoes 0204 0603.1
UF Ipomea batatas
BT —Crops
—Dicots
—Field crops
—Horticultural crops
—Plants (botany)
—Vegetable crops

Swelling 1407
RT Dilation
Distortion (structural)
—Expansion
—Expansive clays
—Expansive forces
—Expansive soils
—Growth
—Heaving
Rebound
—Shrinkage
—Strain
Swelling pressure
—Volume change

Swelling pressure 1407
BT —Expansive forces
—Pressure
RT —Expansion
—Expansive clays
—Expansive soils
External forces
—Heaving
Internal forces
—Loads (forces)
Osmotic pressure
—Stress
Swelling
Tunneling

Swimming 0511
BT —Recreation
—Water sports
RT Drowning
Nekton
Scuba diving
Sea nettles
Swimming pools
Underwater

Swimming pools 0511
UF Pools (swimming)
BT —Recreation facilities
RT —Bodies of water
—Facilities
—Recreation
Swimming

Swine
USE Hogs

Switchgear 0901
BT —Electrical equipment
RT —Circuit breakers
Disconnecting switches
Electrical design
Electrical engineering
—Electric switches
Insulating oil
Transformer oils

Switchgrass 0603.1
UF Panicum virgatum
BT —Agronomic crops
—Crops
—Field crops
—Forage grasses
—Forages
—Grasses
—Monocots
—Plants (botany)
RT Hay

Switching 0901
RT Airblast circuit breakers
Air switches
—Circuit breakers
Electric relays
—Electric switches
Line switching
Short circuits
Switching circuits
—Transmission (electrical)
—Transmission lines

Switching circuits 0901
BT —Circuits
RT Airblast circuit breakers
Air switches
—Circuit breakers
Electric relays
—Electric switches
Network analysis
Switching
Voltage regulators

Switching surges 2003
BT —Surges
RT Electrical restrikes
Electrical stability
Overvoltage
Reliability
Shunt reactors
Shunt resistors
Transients

Switchyards (electrical) 0903
UF Electrical switchyards
RT Air switches
Bus (electrical)
—Converters (electrical)
Disconnecting switches
Electrical design
Electrical engineering
—Electrical equipment
—Electrical insulators
—Electric cables
Electric networks
—Electric power
—Electric powerplants
—Electric switches
—Power transformers
Protective relaying
Substations (electrical)
Terminal facilities (electrical)
—Transformers
—Transmission (electrical)
—Transmission lines
Voltage regulators

Sycamore trees 0603.1
UF Platanus occidentalis
BT —Crops
—Deciduous trees
—Dicots
—Horticultural crops
—Plants (botany)
—Trees

Syenite 0807
BT —Crystalline rocks
—Igneous rocks
—Intermediate rocks
—Plutonic rocks
—Rocks

Symbiosis 0603.1
RT —Ecology
Lichens

Symbolic logic
USE Mathematical logic

Symbols 1407
RT Acronyms
—Codes
Coding
Color
Communication
—Data processing
—Geology
—Languages
Machine translating
—Mapping
Nomenclatures
Soil classifications

Symbols (Con.)
Visibility

Symmetry 1407
RT Asymmetry
Distortion (optics)
Distortion (structural)
Eccentricity
Geometry
Grain shapes
–Shape

Symposia
USE Conferences

Synchronous condensers
USE Electrical equipment

Synchronous machines 0903
BT –Rotating machines
RT –Electric generators
–Electric motors
–Motors
Power system stability

Synecology
USE Biological communities

Synoptic analysis 0402
RT –Analytical techniques
Automation
–Charts
–Climatology
Depth-area curves
Depth-area-duration analysis
–Frequency
–Maps
Meteorological data
–Meteorology
Microenvironment
–Networks
–Regions
–Stations
Synthesis
Weather data
Weather forecasting

Synthesis 1407
RT –Analytical techniques
–Chemical reactions
–Hydrographs
–Model studies
–Operations research
–Processing
Synoptic analysis
Systems analysis
Systems engineering

Synthetic detergents
USE Detergents

Synthetic fibers 1105
BT –Fibers
RT –Plastics
–Polyester resins
Polyethylene
Rayon
–Synthetic resins
Textiles

Synthetic hydrographs
USE Unit hydrographs

Synthetic hydrology 0808
UF Stochastic hydrology
BT –Hydrologic aspects
RT Design storm
–Mathematical models
Probable maximum precipitation
–Reservoir operation
River systems
–Stochastic processes
–Streamflow
Systems analysis

Synthetic resins 1109
BT –Resins
NT Alkyd resins
Epoxy resins
Nylon
Phenolic resins
–Polyester resins
Polyethylene
Polystyrene
Polysulfide resins
Polyurethane resins
–Styrene resins
–Thermoplastic resins
–Thermosetting resins
Vinyl-resin coatings
–Vinyl resins
RT Copolymers
–Elastomers
–Plastics
Polymers
Synthetic fibers
Synthetic rubber

Synthetic rubber 1110
BT –Building materials
–Elastomers
–Rubber
RT –Plastics
Polystyrene
Polysulfide resins
Polyurethane resins
–Styrene resins
–Synthetic resins

Systematics 1407
UF Bacteriophage typing
Classifications (biological)
Taxonomy
NT Fish taxonomy
RT –Animals
–Classifications
Flowering
Phylogeny
–Plants (botany)
Speciation
Varieties

Systemics 0606
RT –Application methods
–Pesticides
–Poisons
Translocation

Systems analysis 0501
RT Computer programming
–Computers
Flow charts
Information science
Information systems
–Management
Management analysis
–Mathematical models
–Methodology
–Operations research
–Similitude
Simulation
–Statistical analysis
–Statistical models
Synthesis
Synthetic hydrology
Systems engineering

Systems engineering 0501
UF Engineering (systems)
RT Coordination
–Data processing
Decision making
–Forecasting
Human engineering
Industrial engineering
Information systems
Information theory
–Management
Management engineering
–Mathematical models
–Operations research
Production control
–Recording systems
Reliability
–Research and development
Scheduling
Simulation
Synthesis
Systems analysis

System stability (electric) 0901 0903
RT Electrical stability
Electrical studies
Electric networks
–Interconnected systems
Protective relaying
–Transmission lines

T

2,4,5-T 0606
BT –Chemicals
–Chlorinated hydrocarbon pesticides
–Halogenated pesticides
–Herbicides
–Organic compounds
–Organic pesticides
–Pesticides

Tables (data) 0502
BT –Documentation
–Information
NT Mathematical tables
Steam tables
RT –Charts
Climatic data
–Data processing
Data reduction
Data storage
Data transmission
Experimental data
Field data
Hydrologic data
Libraries
Meteorological data
Publications
–Records
Statistics
Weather data

Tagging 1402
BT –Analytical techniques
RT Dye releases
–Indicators
Marking techniques
–Radioisotopes
Telemetry
–Tracers

Tailrace 1313.1
BT –Channels
RT –Channel flow
Channel improvements
Channel protection
–Hydraulic turbines
Hydroelectric powerplants
Tailwater
–Turbines
Water conveyance
Water wheels

Tailwater 1313.1
RT Afterbays
–Dams
–Hydraulic structures
Hydroelectric powerplants
Power head
Tailrace
–Water levels

Tainter gates
USE Radial gates

Talc 0807
UF Soapstone
BT –Minerals

Talus 0807
BT –Colluvium
–Geologic deposits
–Soils
RT Breccia
Detrital soils
–Erosion
Fragmented materials
–Mass wasting
Rockfalls
Rock glaciers
–Rocks
–Slopes

Tamarisk 0603.1
UF Saltcedar
BT –Brush
–Crops
–Dicots
–Horticultural crops
–Phreatophytes
–Plants (botany)
RT –Desert plants
Range management
Riparian plants
–Weed control

Tamping rollers 1303
BT –Compaction equipment
–Construction equipment
–Equipment
–Rollers
RT –Compaction
Drum rollers
–Earth handling equipment
–Earthworks
–Embankments
–Fills
Mobile equipment
Pneumatic tired rollers
Rolled fills
Sheepsfoot rollers

Tangential strain 2012
BT –Strain
RT –Deformation
Normal strain
Shear strain
Tangential stress

Tangential stress 2012
BT –Stress
RT Circumferential stress
Radial loads
Radial stress
Tangential strain
Twisting stress

Tangible benefits 0501 0503
BT –Benefits
RT Intangible benefits
Tangible costs

Tangible costs 1401
BT –Costs
RT Capital costs
Construction costs
Intangible costs
Tangible benefits

Tanks (containers) 1304
BT –Containers
NT Concrete tanks
Digestion tanks
Evaporation tanks
Sedimentation tanks
Septic tanks
Storage tanks
Surge tanks
–Water tanks
RT –Basins
Cisterns
Cylinders
Cylindrical shells
Drums
Hoop tension
Pressure vessels
Reservoir construction
–Reservoirs
–Storage
–Towers
–Vessels

Taper 1407
RT Contraction
Pipe fittings
–Pipelines
Sudden enlargements
–Transitions (structures)
Vena contracta

Tapered joints 1305
BT –Joints (connections)
RT Pipe joints

Tapes 1107
NT Magnetic tapes
Punched tapes
RT Adhesives
Data storage
–Fasteners
–Measuring instruments
–Seals (stoppers)
Surveying instruments

Tariff 0503
RT –Costs
Export
–Foreign trade
Import
Revenues
–Taxes

Tariff (Con.)
—Treaties

Taste 0616
UF Flavor
BT —Organoleptic properties
RT —Biological properties
—Chemical properties
Forage palatability
Odor
Taste-producing algae
Water pollution effects
Water properties
—Water quality

Taste-producing algae 0603.1
BT —Algae
—Aquatic algae
—Aquatic life
—Aquatic plants
—Plants (botany)
RT Taste
Water pollution sources
—Water quality

Taxation
USE Taxes

Taxes 0503
UF Taxation
NT Progressive taxes
Regressive taxes
RT Assessments
—Costs
Earnings
Engineering costs
Government finance
—Income
Local governments
Non-structural alternatives
Operating costs
—Payment
—Profit
—Rates
—Regulations
Revenues
Tariff
Tax rate

Taxonomy
USE Systematics

Tax rate 0503
RT —Costs
—Taxes

Teal (blue-winged)
USE Blue-winged teal

Teal (common)
USE Common teal

Teal (green-winged)
USE Green-winged teal

Technical feasibility 1407
BT —Feasibility
RT Economic feasibility
Project feasibility

Technical papers 0502
BT —Documentation
RT Abstracts
Bibliographies
Current awareness
Editing
Professional development
Publications
—Reports
Report writing
Scientific societies
—Technical writing
Translations

Technical societies 0501
UF Engineering societies
BT —Organizations
—Professional societies
RT Conferences
—Documentation
—Engineering personnel
Grants
Professional development
—Professional personnel
Publications
Scientific personnel
Scientific societies
Translations

Technical writing 0502
NT Report writing
RT Abstracts
Annotations
Bibliographies
Clarity
—Documentation
Editing
Grammars
Project summaries
Publications
—Records
—Reports
Technical papers
Translations
Vocabularies

Techniques (analytical)
USE Analytical techniques

Technologists 0509
BT —Personnel
NT Architects
Consulting engineers
—Engineering personnel
Scientific personnel
RT —Administration
—Management
Manpower
Technology

Technology 1407
RT —Analytical techniques
Applied research
Basic research
—Design
—Engineering
—Environmental tests
—Management
Manuals
Materials engineering
—Methodology
—Projects
—Research and development
—Technologists

Tee losses 2004
BT —Losses
RT Head losses
Pipe fittings
—Pipelines
Tees
Velocity head

Tees 1313.3
RT Asbestos-cement pipes
Concrete pipes
—Losses
Pipe bends
Pipe fittings
Pipe flow
—Pipelines
—Pipes
Plastic pipes
Steel pipes
Tee losses

Telemeters
USE Telemetry systems

Telemetry 0906 1702
RT Antennas
Communication
Control systems
Data collections
Data transmission
—Electronic equipment
—Exploration
—Instrumentation
Marking techniques
—Measurement
—Measuring instruments
Radiosondes
Remote control
Remote sensing
Supervisory control (power)
—Surveying
—Surveys
Tagging
Tellurometers
Tracking techniques

Telemetry systems 0906 1702
UF Telemeters
RT Communication
Data collection systems
Data transmission
Data transmission systems
—Instrumentation
—Measuring instruments
Microwaves
Radio communication systems
Radio relay stations
—Sensors
Time signals
—Transducers

Telephones 1702
RT Communication
Microphones
Radios
—Receivers
Repeaters (communications)
Sound
—Transmitters

Television 1702
UF Video
NT Underwater television
RT Coaxial cables
Communication
Drill hole TV cameras
—Instrumentation
Microwaves
Phase control
—Photographic equipment
Radio communication systems
Radio reception
Radio relay stations
Radios
—Radio signals
—Radio waves
—Transmitters
VHF

Tellurometers [illegible]
BT —Equipment
—Instrumentation
—Measuring instruments
—Test equipment
RT —Electronic equipment
Geodimeters
—Surveying
Surveying instruments
Telemetry

Temperate 1407
RT Arid climates
Arid lands
Brown soils
Chernozems
Chestnut soils
Climatic zones
Gray-brown podzolic soils
High temperature
High temperature research
Humid climates
—Pedalfers
—Podzols
Prairie soils
Rain forests
—Regions
Semiarid climates
Sierozems
Subarctic
Subhumid areas
Subhumid climates
Subtropic
Temperature control
—Temperature sensors

Temperature 1407
NT Air temperature
High temperature
Low temperature
Soil temperature
Water temperature
RT Adiabatic
Calefaction
—Climatology
Cold springs
Creep
Cryogenics
Degree days
Emissivity
Energy balance
—Expansive forces
Freeze-thaw cycle
—Freezing
Frost action
—Geothermal studies
Growing period
—Heat
Heat balance
Heat budget
Heated water
Heat exchangers
Heat flow
Heat pumps
Heat resistance (biological)
Heat resistance (materials)
Heat transfer
High temperature research
—Hydrometeorological station
Ice lenses
Isotherms
Linear expansion
Melting
—Meteorology
Phase diagrams
—Physical properties
Precooling
Preheating
Psychrometrics
Sublimation
Supercooling
Temperature control
Temperature inversions
Temperature rise
—Temperature sensors
Thawing
Thermal capacity
Thermal conductivity
Thermal expansion
Thermal pollution
—Thermal properties
Thermal radiation
—Thermal springs
Thermal stratification
Thermal stress
Thermal water
Thermistors
Thermocline
—Thermodynamics
Thermographs
Thermometers
Thermoperiodism
Thermophilic animals
Thermostats
Vapor pressure
Ventilation
—Volume change

Temperature control 1402
BT —Control
RT Air conditioning
Automatic control
Coolants
—Environmental engineering
Frost protection
—Heating
Heating plants
Ice prevention
Materials control
Pneumatic systems
Precooling
Preheating
Process control
Refrigeration
Selective level releases
Temperate
—Temperature
—Temperature sensors
Thermal insulation
Thermographs
Thermostats
Ventilation

Temperature gradient
USE Thermocline

Temperature inversions 0402
UF Inversion (temperature)
RT —Air pollution
Meteorological data
Smog
—Temperature
—Thermal properties
Thermal stratification

Temperature rise 1407
RT Geothermal prospecting
High temperature
—Temperature
—Thermal properties
—Volume change

Temperature sensors 1402
BT —Detectors
—Equipment
—Instrumentation
—Measuring instruments
—Sensors
—Test equipment
NT Thermocouples
Thermometers
RT Calorimeters

Temperature sensors (Con.)
Embedded instruments
Freeze-thaw tests
Geothermal prospecting
Infrared detectors
Infrared photography
Infrared radiation
Low temperature
–Measurement
Refrigeration
Temperate
–Temperature

Temporal distribution 1407
BT –Distribution
RT Diel migration
Ecological distribution
Migration patterns

Temporary pond stage 0606
BT –Ecosystems
–Lake stages
–Succession
RT –Grasslands

Tendipes plumosus
USE Midges

Tennessee 0806
BT –Geographical regions
–States (geographical)

Tensile properties 2012
BT –Mechanical properties
–Properties
NT Splitting tensile strength
–Tensile strength
Ultimate tensile strength
RT Brittleness
Ductility
Elastic limit
Elongation
Hardness
Hysteresis
Modulus of elasticity
Poisson ratio
Stiffness
–Strain
–Stress
Stress-strain curves
Tensile stress
–Tension
Tension tests
Toughness
Yield point
Yield strength

Tensile strength 2012
UF Tension strength
BT –Mechanical properties
–Strength
–Tensile properties
NT Splitting tensile strength
Ultimate tensile strength
RT –Axial tension
Biaxial tension
Compressive strength
Concrete properties
Ductility
Elasticity (mechanical)
Hysteresis
–Physical properties
Poisson ratio
Shear strength
Strength of materials
Tensile stress
–Tension
Tension tests
Triaxial tension
Yield point
Yield strength

Tensile stress 2012
UF Tension stress
BT –Stress
RT –Axial stress
–Axial tension
Compressive stress
Hoop tension
Normal stress
Posttensioning
Radial stress
–Relaxation (mechanics)
Shear cracks
Shear stress
Splitting tensile strength
–Tensile properties
–Tensile strength
Tensiometers
–Tension
Tension tests
Total stress
Ultimate tensile strength

Tensiometers 1402
BT –Equipment
–Instrumentation
–Measuring instruments
–Meters
–Test equipment
RT Capillary pressure
Extensometers
–Gages
Laboratory equipment
–Moisture content
–Negative pressure
Richards apparatus
–Soil moisture
–Soil water
Surface tension
Tensile stress
–Tension
Tension tests

Tension 2011
NT –Axial tension
Biaxial tension
Hoop tension
Moisture tension
Surface tension
Triaxial tension
RT –Compression
–Deformation
Dynamometers
Elasticity (mechanical)
–Mechanical properties
Poisson ratio
Posttensioning
–Shear
Shear planes
Splitting tensile strength
Springs (mechanical)
–Strain
–Stress
Stringing
–Tensile properties
–Tensile strength
Tensile stress
Tensiometers
Tension tests

Tension strength
USE Tensile strength

Tension stress
USE Tensile stress

Tension tests 1402
BT –Materials tests
–Tests
RT –Axial tension
–Compression tests
Creep tests
Ductility
Dynamometers
Fatigue tests
Hardness tests
High temperature research
Impact tests
Loading tests
Rock tests
–Shear tests
Splitting tensile strength
Static tests
–Strain
–Stress
Stress-strain curves
–Tensile properties
–Tensile strength
Tensile stress
Tensiometers
–Tension
Ultimate tensile strength

Tensor analysis 1201
BT –Analysis
RT Geometry
Graphical analysis
–Linear algebra
Vector analysis

Teredos 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Invertebrates
–Marine borers
–Mollusks

Terminal facilities (electrical)
0901.1
RT –Converters (electrical)
Direct current
–Electric power
Extra high voltage
Substations (electrical)
Switchyards (electrical)
–Transmission (electrical)
–Transmission lines

Terrace deposits 0807
UF Deposits (terrace)
BT –Alluvial deposits
–Geologic deposits
–Land forms
–Sediment deposits
RT Alluvium
–Glacial deposits
–Gravels
–Sands
–Sedimentation
Terraces
Terraces (geological)

Terraces 0203
BT –Earthworks
–Land forms
RT Contour farming
–Crops
–Erosion control
Flood control
Grassed waterways
–Land management
Landscaping
–Plants (botany)
–Runoff
Soil conservation
–Soil management
Strip cropping
Terrace deposits
Terraces (geological)
Terracing
Vegetation

Terraces (agricultural)
USE Terracing

Terraces (geological) 0807
BT –Land forms
RT Berms
Geomorphology
–Surfaces
Terrace deposits
Terraces
Terrain

Terracing 0203
UF Terraces (agricultural)
BT –Land forming
RT Contour farming
–Ditches
Earthmoving
–Earthworks
–Erosion control
Flood control
–Flow control
Graded
Grassed waterways
–Land management
Landscaping
–Runoff
Soil conservation
–Soil management
Terraces
–Water management (applied)

Terrain 0806
RT –Beaches
Coastal marshes
–Coastal plains
Damsites
Deserts
–Geographical regions
Geomorphology
–Grasslands
–Land
–Land forms
–Morphology
Mountains
Rain forests
Sinkholes
–Swamps
Terraces (geological)
Terrain analysis
Topography
–Valleys

Terrain analysis 0806
BT –Analysis
RT Damsites
–Exploration
–Field investigations
Geomorphology
–Mapping
Military aspects
–Morphology
Photogrammetry
–Photography
–Regions
Remote sensing
–Surveying
–Surveys
Terrain

Terrazzo 1303
RT –Concretes

Terrestrial habitats 0606
BT –Environments
–Habitats
RT –Aquatic habitats
Arid lands
Burrows
Cultivated lands
Deserts
–Forests
–Grasslands
Intertidal areas
Mountains
Shelterbelts
–Soils
–Wetlands
Wildlife habitats

Terrestrial magnetism 0814
UF Geomagnetism
BT –Magnetic properties
RT –Geophysics
Magnetic fields
Magnetic surveys

Tertiary period 0807
BT –Cenozoic era
–Geologic time
RT –Quaternary period

Tertiary treatment 1302.1
UF Advanced waste treatment
BT –Sewage treatment
–Treatment
–Waste treatment
RT Activated carbon
Coagulation
–Distillation
Electrodialysis
Foam separation
–Freezing
–Ion exchange
–Nutrients
Oxidation lagoons
Permselective membranes
Reverse osmosis
Sanitary engineering
Solids contact process
Solvent extractions
Ultimate disposal
Waste water treatment
–Water reuse
Water salvage

Test canals 1402
BT –Canals
–Test facilities
RT –Algae
–Aquatic weeds
Canal linings
Current meters
–Discharge (water)
–Erosion
–Field tests
Flow resistance
–Hydraulics
Mannings equation
Open channel flow
–Open channels
–Radiation measurement
Roughness coefficient
–Seepage
Turbulent flow
–Velocity
–Weed control

Test equipment 1402
BT –Equipment
NT Accelerometers
Altimeters

Test equipment (Con.)
Ammeters
—Anemometers
Barometers
Calorimeters
Chronographs
Chronometers
—Clocks
Dial gages
Dynamometers
Evapotranspirometers
Extensometers
—Flowmeters
Frequency analyzers
—Gages
Galvanometers
Geiger counters
Geodimeters
Geophones
Gravimeters
Interference analyzers
Interferometers
Liquid level gages
Lysimeters
Magnetometers
Micrometers
—Moisture meters
Neutron counters
Nuclear density meters
Nuclear moisture meters
Ohmmeters
Orifice meters
Oscillographs
Oscilloscopes
Penetrometers
Permeameters
Photometers
—Piezometers
Plumblines
Potentiometers
—Pressure gages
—Pressure measuring instruments
—Radiation detectors
—Radiation measurement
—Radiation measuring equipment
Radiometers
Radiosondes
Salinity meters
Scintillation counters
Soniscopes
—Strain gages
Tellurometers
—Temperature sensors
Tensiometers
Test machines
Thermographs
Tiltmeters
Turbidimeters
—Velocity meters
Venturi meters
Viscometers
Voltmeters
Volumetric meters
Water meters
Wattmeters
Weir gages
Wind tunnels
RT Centrifuges
Compaction tests
—Compression tests
—Computers
Concrete tests
Destructive tests
—Dynamic tests
Field laboratories
—Field tests
Flat jack method
—Hydraulic models
Impulse tests (electrical)
—Instrumentation
Laboratory equipment
Laboratory tests
—Measuring instruments
—Meters
—Models
—Probes (instruments)
—Recording systems
—Samplers
—Sensors
—Test facilities
Test procedures
—Tests
Test specimens

Test facilities 1402
BT —Facilities
NT Experimental farms
Field laboratories
Hydraulic laboratories
—Laboratories
Mobile laboratories
Shock tubes
Test canals
Test machines
Wind tunnels
RT —Computers
Concrete tests
—Hydraulic models
Impulse tests (electrical)
Laboratory equipment
—Models
Model tests
Research facilities
—Test equipment
Test pits
—Tests
—Vacuum apparatus
Wave tanks

Test fills 1402
BT —Fills
RT Compaction tests
—Earth dams
—Earthworks
—Embankments
—Field tests
—Tests

Test holes 1402
RT Auger borings
Boreholes
—Borings
Core drilling
Cores
Drill holes
—Exploration
Foundation investigations
Percolation tests
—Pits
Soil investigations
Sounding
Subsurface investigations
Test pits
—Trenches
—Wells

Testing
USE Tests

Test machines 1402
BT —Equipment
—Facilities
—Machines
—Test equipment
—Test facilities
RT Bond tests
—Compression tests
Concrete tests
Destructive tests
—Dynamic tests
Jacking tests
Laboratory equipment
—Measuring instruments
Pipe tests
—Recording systems
—Tests
Test specimens

Test methods
USE Test procedures

Test piles 1402
BT —Piles (foundations)
RT —Bearing capacity
—Field tests
Pile bearing capacities
—Pile driving
Pile extraction
Pile foundations
Pile friction
Pile tests
Skin friction
Static tests
—Tests

Test pits 1402
BT —Pits
RT Adits
Boreholes
—Borrow areas
—Drift
Drill holes
—Exploration
—Field tests
Foundation investigations
Soil investigations
Soil profiles
Sounding
Subsurface investigations
—Test facilities
Test holes
—Trenches

Test procedures 1402
UF Test methods
BT —Methodology
—Procedures
RT Accelerated tests
Acceptance tests
—Analysis
—Analytical techniques
—Compression tests
Concrete tests
Destructive tests
—Evaluation
—Field tests
Foreign tests
Index tests
Laboratory tests
—Materials tests
—Measurement
Model tests
Product evaluation
Prototype tests
—Quality control
Rapid compaction control
—Sampling
—Shear tests
—Soil tests
—Surveys
—Test equipment
Test results
—Tests
Test specimens
Turbine efficiency

Test results 1402
RT Acceptance tests
Concrete tests
Foundation bearing tests
Freeze-thaw tests
Laboratory tests
—Materials tests
—Nondestructive tests
Prototype tests
Pump tests
Test procedures
—Tests
Test specimens

Tests 1402
Use of a more specific term is recommended
UF Testing
NT Accelerated tests
Acceptance tests
Aquifer tests
Bond tests
Compaction tests
—Compression tests
Concrete tests
Corrosion tests
Creep tests
Destructive tests
Drained shear tests
—Dynamic tests
Electrical insulation tests
—Environmental tests
Exposure tests
Fatigue tests
—Field permeability tests
—Field tests
Filter tests
Foundation bearing tests
Freeze-thaw tests
Friction tests
Hardness tests
Impact tests
Impulse tests (electrical)
Index tests
—In situ tests
Jacking tests
Laboratory tests
Loading tests
—Materials tests
—Metal tests
Model tests
—Nondestructive tests
Notch tests
Penetration tests
Percolation tests
Performance tests
—Permeability tests
Pile tests
Pipe tests
Plate load tests
Ponding tests
Pressure tests
Prototype tests
Pull-out tests
—Pull tests
Pumping tests (wells)
Pump tests
Rock tests
Seismic tests
—Shear tests
Shock tests
Soil compression tests
Soil consolidation tests
—Soil tests
Sonic velocity tests
Static tests
Tension tests
Thiem test
Torsion shear tests
Triaxial tests
Ultrasonic tests
—Undrained shear tests
Vane shear tests
Vibration tests
Wetting and drying tests
RT —Analysis
—Analytical techniques
—Assay
Calibrations
—Chemical analysis
Errors
—Evaluation
Experimental data
—Exploration
Fatigue (materials)
—Hydraulic models
—Inspection
—Investigations
—Laboratories
—Logging (recording)
—Measurement
—Models
—Model studies
—Quality control
—Research and development
—Sampling
—Similitude
Simulation
Soil analysis
Strength of materials
—Test equipment
—Test facilities
Test fills
Test machines
Test piles
Test procedures
Test results
Test specimens
Wind tunnels

Test specimens 1402
RT Acceptance tests
Concrete tests
Laboratory tests
—Materials tests
—Metal tests
—Samplers
—Samples
—Shear tests
—Soil tests
—Test equipment
Test machines
Test procedures
Test results
—Tests
Undisturbed samples

Texas 0806
BT —Coastal plains
—Geographical regions
—States (geographical)
RT Reclamation states

Textiles 1105
RT Cotton
—Fibers
Fibers (plant)
Rayon
Synthetic fibers
Water pollution sources

Texture 1407
BT —Physical properties
RT Anisotropy
Foliation
Gradation
Grain shapes
Grain sizes
Grain structure (metals)
Isotropy
—Morphology

Texture (Con.)
Porosity
Smoothness
Soil classifications
–Soil properties
–Surface properties

Thallium radioisotopes 1802
BT –Isotopes
–Radioisotopes

Thalweg 0808
RT –Beds
–Channels
–Profiles
–Slopes
Stream channels
Stream meandering
Stream valley
–Valleys
–Waterways

Thawing 0704
RT Freeze-thaw tests
Frost action
Frost heaving
–Frozen soils
–Heating
Melting
–Temperature

Theis equation 0808.1
UF Non-equilibrium equation
BT –Equations
RT Aquifer tests
Artesian water
Confined water
–Drawdown
Groundwater movement
–Hydrologic models
Permeability
Storage coefficient
Transmissivity
–Unsteady flow

Theodolites 0802
BT –Equipment
–Instrumentation
–Optical instruments
RT Angles (geometry)
–Measuring instruments
–Optical measurement
Position finding
Sextants
–Surveying
Surveying instruments

Theoretical analysis 1407
RT –Evaluation
–Model studies
Model tests
Mohr failure theory
Prototype tests
–Similitude

Theory 1407
Use of a more specific term is recommended
NT –Brittle fracture theory
Elastic theory
Griffith theory
Information theory
Minimum weight theory
Mohr failure theory
Plastic theory
Queueing theory
Regime theory
RT –Mathematical logic
–Research and development

Thermal analysis 1402
BT –Analysis
–Analytical techniques
NT Differential thermal analysis
RT Calorimeters
–Chemical analysis
–Cooling
–Heating
Phase diagrams
Thermal decomposition
–Thermal properties
Thermocouples
–Thermodynamics
Thermographs

Thermal budget
USE Heat budget

Thermal capacity 0704
BT –Physical properties
–Thermal properties
RT Heat budget
Latent heat
Specific heat
–Temperature

Thermal conductivity 2013
UF Conductance (heat)
Conductance (thermal)
Conduction (heat)
Conduction (thermal)
Conductivity (heat)
Conductivity (thermal)
Convection (heat)
Heat conduction
Heat conductivity
Heat convection
BT –Conductivity
–Physical properties
–Thermal properties
RT –Geothermal studies
Heat flow
Heat resistance (materials)
Heat transfer
High temperature research
Rock properties
Specific heat
–Temperature
Thermal insulation
–Transport phenomena
Water properties

Thermal decomposition 0704
BT –Chemical reactions
–Decomposition
RT Heat resistance (materials)
–Thermal analysis
–Thermal properties

Thermal diffusion 0704
BT –Chemical properties
–Diffusion
–Physical properties
–Thermal properties
RT Conduction
Heat transfer
Heat transmission
Thermal expansion

Thermal energy 2013
BT –Energy
RT Geothermal powerplants
–Heat
Heat pumps
High temperature
Steam
Steam turbines
–Thermal properties

Thermal expansion 2013
UF Heat expansion
BT –Expansion
–Mechanical properties
–Physical properties
–Thermal properties
RT Expansion joints
–Expansive forces
Heat transfer
High temperature research
Linear expansion
–Temperature
Thermal diffusion
Thermal stress

Thermal gradient 2013
BT –Gradients
RT –Air pollution
Density currents
Heat transfer
Laminar boundary layers
Multilevel outlets
–Ocean currents
Oceanography
Reservoir evaporation
–Reservoir operation
Selective level releases
–Stratification
–Thermal properties
Thermal stress

Thermal insulating compounds
USE Thermal insulation

Thermal insulation 1107
UF Thermal insulating compounds
Thermal insulators
BT –Insulation
RT Asbestos
–Conductivity
Cushioning
Heating plants
Heat resistance (materials)
Heat transfer
Heat transmission
Temperature control
Thermal conductivity
–Thermal properties

Thermal insulators
USE Thermal insulation

Thermal pollution 1302.2
UF Heat pollution
Pollution (thermal)
BT –Air pollution
–Water pollution
RT Calefaction
–Contamination
–Heat
Heated water
Hydroelectric powerplants
–Nuclear powerplants
Path of pollutants
Pollutant identification
Pollutants
Pollution abatement
Stream pollution
–Temperature
–Thermal properties
Waste heat

Thermal power 1001
UF Steam power
BT –Electric power production
–Power
RT Boilers
–Electric power
Geothermal powerplants
–Heat
Heated water
–Nuclear powerplants
Steam
Steam turbines
Thermal powerplants
Thermal water
–Turbines

Thermal powerplants 1002.1
UF Steam plants
Steam powerplants
BT –Electric powerplants
–Industrial plants
–Powerplants
RT –Buildings
Electric power industry
–Electric power production
–Facilities
Geothermal powerplants
–Nuclear powerplants
Steam
Steam turbines
Thermal power

Thermal properties 2013
UF Heat properties
BT –Physical properties
–Properties
NT Heat of hydration
Heat resistance (materials)
Latent heat
Specific heat
Thermal capacity
Thermal conductivity
Thermal diffusion
Thermal expansion
Vapor pressure
Volatility
RT Ablation
Boiling
Calefaction
Calorimeters
–Chemical properties
Concrete properties
–Electrical properties
Emissivity
Enthalpy
Entropy
Free energy
–Freezing
–Geothermal studies
–Heat
Heat flow
–Heating
Heat transfer
Heat transfer coefficient
Heat transmission
High temperature
High temperature research
–Luminescence
–Magnetic properties
–Materials tests
–Mechanical properties
Melting
Phase diagrams
Solubility
–Temperature
Temperature inversions
Temperature rise
–Temperature sensors
–Thermal analysis
Thermal decomposition
Thermal energy
Thermal gradient
Thermal insulation
Thermal pollution
Thermal radiation
Thermal stratification
Thermal stress
Thermocouples
Thermodynamic behavior
–Thermodynamics
Thermoelectricity
–Vaporization

Thermal radiation 2013
UF Heat radiation
BT –Radiation
–Transport phenomena
RT –Heat
Heat transfer
High temperature
High temperature research
Infrared radiation
Radiometers
–Radio waves
–Temperature
–Temperature sensors
–Thermal properties
Thermographs
Ultraviolet radiation

Thermal springs 0808.1
BT –Bodies of water
–Running waters
–Springs (water)
NT Geysers
–Hot springs
Warm springs
RT Mineral water
Steam
–Streams
–Temperature
Thermal water

Thermal stratification 0808
BT –Stratification
RT Convection
Density-flow
Epilimnion
Heat budget
Hypolimnion
Multilevel outlets
Seasonal
Selective level releases
–Temperature
Temperature inversions
–Thermal properties
Thermocline
Turnovers
–Water circulation

Thermal stress 2013
BT –Stress
RT –Cooling
–Environmental engineering
–Expansive forces
Fatigue (materials)
–Heating
Heat resistance (materials)
High temperature research
Precooling
Preheating
–Temperature
Thermal expansion
Thermal gradient
–Thermal properties

Thermal studies
USE Geothermal studies

Thermal water 0808
BT –Water types
RT Geysers
Heated water
–Hot springs
Mineral water
Steam

USE = Use preferred term; UF = Used for; BT = Broader term; NT = Narrower term; RT = Related term

Thermal water (Con.)
–Streams
–Temperature
Thermal power
–Thermal springs
Warm springs
Water temperature

Thermistors 0901
BT –Resistors
RT –Electrical properties
Electrical resistance
Electrical resistivity
–Semiconductors
–Temperature
–Temperature sensors
Variable resistors

Thermocline 0810
UF Temperature gradient
RT Environmental gradient
Epilimnion
Gradation
Hypolimnion
–Lakes
–Limnology
–Reservoirs
–Temperature
Thermal stratification

Thermocouples 1402
BT –Detectors
–Measuring instruments
–Sensors
–Temperature sensors
RT –Instrumentation
–Thermal analysis
–Thermal properties
Thermoelectricity
Thermographs

Thermodynamic behavior 2013
BT –Behavior
RT –Energy transfer
Entropy
Equilibrium
Free energy
Heat transfer
High temperature research
Physicochemical properties
–Thermal properties
–Thermodynamics

Thermodynamics 2013
NT Emissivity
Heat transfer
RT Adiabatic
Aerodynamics
Aqueous solutions
–Energy
Energy balance
–Energy transfer
Enthalpy
Entropy
Equilibrium
Free energy
Freeze-thaw tests
–Freezing
–Heat
Heat of hydration
Heat resistance (materials)
Mechanical engineering
Nuclear engineering
Physical chemistry
Physicochemical properties
Saline water systems
Steam tables
–Temperature
–Thermal analysis
–Thermal properties
Thermodynamic behavior

Thermoelectricity 2003
UF Electricity (thermal)
RT –Heat
–Thermal properties
Thermocouples

Thermogalvanic cells 1402
BT –Instrumentation
RT Electrolytes
–Kinetics
–Temperature sensors

Thermographs 1402
BT –Equipment
–Measuring instruments
–Test equipment
RT Calorimeters
Diurnal variations
–Instrumentation
Isotherms
–Measurement
–Recording systems
–Temperature
Temperature control
–Temperature sensors
–Thermal analysis
Thermal radiation
Thermocouples
Thermometers
Thermostats

Thermometers 1402
BT –Instrumentation
–Measuring instruments
–Sensors
–Temperature sensors
RT High temperature
–Temperature
Thermographs

Thermoperiodism 0606
RT Biorhythms
Diurnal
–Environments
Heat balance
Microenvironment
–Temperature

Thermophilic animals 0603.2
BT –Animals
RT Animal groupings
–Aquatic animals
–Aquatic microorganisms
Mites
Protozoa
–Temperature

Thermophilic bacteria 0613
BT –Aquatic bacteria
–Aquatic life
–Aquatic microorganisms
–Aquatic plants
–Bacteria
–Microorganisms
–Plants (botany)
–Seston
RT –Anaerobic bacteria
Lactobacillus
Sludge digestion
Streptococcus

Thermoplasticity
USE Thermoplastic resins

Thermoplastic resins 1109
UF Thermoplasticity
BT –Resins
–Synthetic resins
NT Nylon
Polyethylene
Polystyrene
Polyvinyl alcohol
Polyvinyl chloride
RT –Plastics
Polymers
Polysulfide resins
Polyurethane resins
–Thermosetting resins
–Vinyl resins

Thermosetting plastics
USE Thermosetting resins

Thermosetting resins 1109
UF Thermosetting plastics
BT –Resins
–Synthetic resins
NT Alkyd resins
Epoxy resins
Phenolic resins
–Polyester resins
RT –Plastics
Polymer
Polysulfide resins
Polyurethane resins
–Thermoplastic resins
–Vinyl resins

Thermostats 1402
BT –Control equipment
–Electrical equipment
–Electric switches
–Equipment
RT –Temperature
Temperature control
–Temperature sensors
Thermographs

Thesaurus 0502
RT Descriptors
Dictionaries
–Documentation
Indexes (documentation)
–Indexing
Information retrieval
Information science
Keywords
Nomenclatures
Publications
–Subject indexing
Vocabularies

Thickness 1407
BT –Dimensions
RT –Additives
Dial gages
Height
Length
–Physical properties
Thick plates
–Weight
Width

Thick plates 1303
RT Flat plates
–Inspection
–Steel plates
Thickness
Thin plates
Welded joints
–Welding

Thiems equation 0808.1
UF Equilibrium equation
BT –Equations
RT Aquifer tests
Artesian water
Confined water
–Drawdown
Groundwater movement
–Hydrologic models
Permeability
Thiem test
Transmissivity

Thiem test 0808.1
BT –Field investigations
–Field permeability tests
–Field tests
–In situ tests
–Permeability tests
–Tests
RT –Aquifers
Aquifer tests
–Drawdown
–Flow
Groundwater flow
Pumping tests (wells)
Thiems equation
–Wells

Thin arch dams 1313.1
BT –Arch dams
–Concrete dams
–Concrete structures
–Dams
–Engineering structures
–Hydraulic structures
RT –Concrete construction
Dam construction
Dam design
Double-curvature arch dams
–Shell structures
Thinness
Trial-load method

Thin films 2012
BT –Films
RT –Coatings
Desalination apparatus
–Linings
–Membranes
Monomolecular films
–Protective coatings
Thinness
Vapor compression distillation

Thinness 1407
BT –Dimensions
RT Height
Length
–Physical properties
Thin arch dams
Thin films
Thin plates
Thin shell structures
–Weight
Width

Thin plates 1303
BT –Plates
RT Flat plates
–Steel plates
Thick plates
Thinness
Welded joints
–Welding

Thin shell structures 1313.5
BT –Shell structures
–Structures
RT Cylindrical shells
Domes (structural)
High strength concretes
–Structural analysis
Structural behavior
–Structural design
Structural shapes
Thinness

Thiobacillus ferrooxidans 0613
BT –Bacteria
–Iron bacteria
–Microorganisms
–Plants (botany)
–Sulfate reducing bacteria
RT Acid bacteria
–Aerobic bacteria
–Aquatic bacteria
–Aquatic microorganisms
–Soil bacteria

Thiocarbamate pesticides 0606
BT –Carbamate pesticides
–Chemicals
–Organic compounds
–Organic pesticides
–Pesticides

Thiophosphate pesticides
USE Phosphothioate pesticides

Third party effects 0503
BT –Effects
RT Economic impact
–Economics
Indirect benefits
Indirect costs
–Legal aspects
–Social aspects

Thixotropy 0704
RT Gels
Non-Newtonian flow
–Paints
–Physical properties
Rheology
Setting (materials)
Solubility
Stiffness
Viscosity

Three-dimensional 1407
RT One-dimensional
Two-dimensional

Throttling 2111
RT Carburetors
Thrust

Throughfall 0808
RT Canopy
Interception
–Rainfall
Stemflow

Thrust 2111
RT Aerodynamics
–Drag
Throttling
Thrust bearings

Thrust bearings 1309
BT –Bearings
RT Bearing pressure
–Electric generators
Roller bearings
Thrust

Thunderstorms 0402
BT –Storms
RT Cap clouds
Cloudbursts
Cloud modification
–Clouds
Convection clouds

Subject Category Index numbers follow main terms; (–) = See main entry for narrower terms;

Thunderstorms (Con.)
Cumulonimbus clouds
Flash floods
Gusts
Lightning
–Precipitation (atmospheric)
Rain
Storm structure
–Wind (meteorology)

Thyristors 0901
BT –Semiconductors
RT Rectifiers
Transistors

Tidal effects 0803
BT –Effects
RT Beach erosion
Bores (wave)
Intertidal areas
Mud flats
Ocean beaches
–Ocean currents
Sea level
Tidal hydraulics
Tidal waters
–Tides
Water level fluctuations
Wave generation

Tidal energy 0803
BT –Energy
RT –Electric power
–Electric powerplants
Potential hydropower
Pumped storage
–Surges
Tidal hydraulics
Tidal powerplants
–Tides

Tidal hydraulics 0803
BT –Fluid mechanics
–Hydraulics
RT Diurnal variations
–Ocean currents
–Saline water intrusion
Tidal effects
Tidal energy
Tidal powerplants
Tidal waters
–Tides
Tsunamis

Tidal marshes 0808
BT –Land forms
–Marshes
–Wetlands
RT –Bodies of water
Coastal marshes
Deltas
Guts
Mud flats
–Saline water intrusion
Salt marshes
Shallow water
–Tides

Tidal powerplants 1002.1
BT –Electric powerplants
–Industrial plants
–Powerplants
RT –Buildings
Electric power industry
–Electric power production
–Facilities
–Hydraulic structures
Jetties
Potential hydropower
Powerhouses
Tidal energy
Tidal hydraulics
–Tides

Tidal waters 0808
UF Tidewater
RT Continental shelf
High water mark
Low water mark
Ocean beaches
Tidal effects
Tidal hydraulics
–Tides
–Water types

Tides 0803
BT –Periodic variations
–Waves (water)
NT Wind tides
RT –Currents (water)
Diurnal
Diurnal variations
Estuaries
Flow profiles
Gradually varied flow
Inlets (waterways)
Intertidal areas
Littoral zone
Moon
Neritic
Ocean beaches
Ocean circulation
–Ocean currents
Oceanography
Oceans
–Ocean waves
–Saline water intrusion
Sea level
–Shores
Tidal effects
Tidal energy
Tidal hydraulics
Tidal marshes
Tidal powerplants
Tidal waters
–Water
–Wind (meteorology)

Tidewater
USE Tidal waters

Tie lines
USE Interconnected systems

Tie rods 1313
BT –Rods
RT Anchored bulkheads
–Anchors
–Formwork (construction)
Horizontal loads
–Supports

Tilapia 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Cichlids
–Fish
–Freshwater fish
–Wildlife

Tile drainage 0808.1
BT –Drainage
–Subsurface drainage
RT Drainage engineering
Drainage practices
Tile drains

Tile drains 1313.3
BT –Drainage
–Drains
–Subsurface drains
RT Dewatering
–Disposal
Drainage costs
Drainage systems
Drain spacing
Drain tiles
French drains
Horizontal drains
Leaching
–Pipelines
–Pipes
–Subsurface drainage
Tile drainage
Tile spacing
Toe drains
Underdrains

Tiles 1303
(excludes pipes)
BT –Building materials
–Ceramic materials
–Construction materials
RT Bricks
Floors
Roofing materials

Tile spacing 0808.1
RT Drainage systems
Drain tiles
–Drawdown
Hydraulic conductivity
Tile drains
–Water table

Tillage
USE Cultivation

Tilth
USE Soil structure

Tiltmeters 1402
BT –Equipment
–Indicators
–Instrumentation
–Measuring instruments
–Meters
–Test equipment
RT Deflection
–Earth movements
Inclinometers
Orientation
Slope indicators

Timber management
USE Forest management

Timber piles
USE Wooden piles

Timbers 1303
BT –Building materials
–Construction materials
–Materials
RT Composite beams
Lagging
Lumber
–Mines
–Mining
Shafts (mining)
Sheeting
Shoring
–Structural design
–Supports
Tunnel design
–Wood
Wooden bridges
Wooden piles
–Wooden structures
Wooden trestles
Wood preservatives
Wood wastes

Time 1407
BT –Dimensions
NT Loading time
RT Age
Annual
Creep
–Dating
Depth-area-duration analysis
Diurnal
Duration curves
Flow duration
Flow duration curves
–Frequency
Frequency curves
–Geologic time
Growing period
–Growth stages
History
Low frequency
Mass curves
Monthly
Nocturnal
–Rates
Seasonal
Sequence
Time lag
Time of concentration
Time series analysis
Timing
–Velocity

Time and motion studies 1401
UF Time saving methods
RT Cost savings
–Efficiencies
Human engineering
Industrial engineering
Industrial production
Management engineering
Manufacturing
Motion pictures
Performance
–Productivity
Work

Time delay
USE Timing circuits

Time interval counters
USE Timing circuits

Time lag 0808
UF Lag time
RT Delay circuits
Effective precipitation
Flood hydrographs
Flood peaks
–Hydrographs
Hysteresis
Precipitation excess
–Rainfall
Rainfall-runoff relationships
–Runoff
–Time

Time of concentration 0808
RT Drainage basins
Flood hydrographs
Flood peaks
Flood waves
Overland flow
Rational formula
Surface runoff
–Time
Unit hydrographs
–Watersheds (basins)

Time relays
USE Timing circuits

Timers
USE Timing circuits

Time saving methods
USE Time and motion studies

Time series analysis 1201
BT –Analysis
–Mathematical analysis
–Statistical analysis
RT Correlation
Curve fitting
–Discharge (water)
–Forecasting
Frequency analysis
–Hydrographs
–Mathematical analysis
–Mathematics
–Periodic variations
–Runoff
Runoff forecasting
Scheduling
Sequence
–Stochastic processes
–Streamflow
–Time

Time signals 1702
RT Telemetry systems

Timing 1407
RT Chronographs
Chronometers
–Clocks
Critical path method
Crop response
–Dating
Diurnal variations
Fertilization
Fluctuation
–Forecasting
–Frequency
–Growth stages
–Irrigation practices
Rates of application
Scheduling
Sequence
Supplemental irrigation
–Time
Weather patterns

Timing circuits 0905
UF Counters (time interval)
Delay (time)
Time delay
Time interval counters
Time relays
Timers
Timing devices
BT –Circuits

Timing devices
USE Timing circuits

Tin 0702
BT –Chemical elements
–Metals
RT Passive metals
Superconductors
–Tin alloys
Tin compounds

Tin alloys 1106
BT –Alloys
–Metals
NT Bronzes
RT –Bearings
Soldering
Tin

Tin compounds 0702 0703
BT –Chemical compounds
RT Tin

Tires 1306
RT Automobiles
Pneumatic tired rollers
–Rollers
–Tractors
Vehicles
–Wheels

Titanium 0702
BT –Chemical elements
–Metals
RT Titanium alloys
Titanium compounds

Titanium alloys 1106
BT –Alloys
–Heat resistant alloys
–Metals
RT Titanium

Titanium compounds 0702 0703
BT –Chemical compounds
RT Titanium

Toads 0603.2
BT –Amphibians
–Animals
–Wildlife
RT –Aquatic animals

Tobacco 0204 0603.1
UF Nicotiana tabacum
BT –Agronomic crops
–Crops
–Dicots
–Field crops
–Horticultural crops
–Plants (botany)

Toe drains 0808.1
BT –Drains
RT Drain tiles
–Earth dams
–Filters
Open drains
Sand drains
–Seepage
Seepage control
–Subsurface drains
Tile drains
Underseepage

Tolerances (mechanics) 1407
RT Acceptability
Accuracy
Clearances
–Codes
–Consistency
Errors
Hysteresis
–Inspection
–Quality control
Reliability
Reproducibility
Specifications
–Stability
–Standards
Static tests

Tolerances (plant) 0603.1
UF Plant tolerances
BT –Resistance
NT Drought tolerance
RT Agronomy
Drought resistance
Heat resistance (biological)
–Herbicides
–Plant growth
Plant physiology
–Toxicity

Tomatoes 0204 0603.1
UF Lycopersicon esculentum
BT –Crops
–Dicots
–Field crops
–Horticultural crops
–Plants (botany)
–Vegetable crops

Tools
USE Equipment

Topminnows
USE Killifishes

Topographic mapping 0802
UF Contour mapping
BT –Mapping
RT Aerial photography
Contours
–Maps
Photogrammetry
–Plane surveying
–Surveying
Topographic surveys
Topography

Topographic surveys 0802
BT –Plane surveying
–Surveys
RT Aerial photography
Aerial surveys
First order surveys
Geodetic surveys
Hydrographic surveys
–Mapping
Photogrammetry
Reconnaissance surveys
Topographic mapping
Topography

Topography 0806
UF Relief
RT –Climatology
Contours
Damsites
Elevation
–Erosion
Geodetic surveys
Geomorphology
–Glacial geology
–Gradients
–Land forms
Land use
–Mapping
–Morphology
Mountains
Orography
–Shape
–Slopes
Stream drainage patterns
–Surveying
Terrain
Topographic mapping
Topographic surveys
–Valleys

Topsoil 0807
BT –Earth materials
–Materials
–Soils
–Soil types
RT Fertility
Humus
–Loams
Organic clays
–Organic matter
–Organic soils
Soil classifications
–Soil horizons
–Soil management
Soil profiles
Soil surfaces
Subsoil
Surface runoff

Torches 1309
UF Cutting (torches)
NT Welding torches
RT –Cutting
–Welding

Tornadoes 0402
BT –Storms
RT Atmospheric pressure
Cyclones
Disasters
Gusts
–Warning systems
–Wind (meteorology)
Wind erosion

Torque 2011
RT Dynamometers
Eccentric loading
–Loads (forces)
–Moments
Rotation
–Shear tests
Torsion
Twisting
Twisting stress

Torrid
USE Tropic

Torsion 2011
RT Buckling
Deflection
–Deformation
–Failure (mechanics)
Rotation
–Strain
Torque
Torsion shear tests
Twisting
Twisting stress

Torsion shear tests 1402
BT –Shear tests
–Tests
RT Drained shear tests
Laboratory tests
Shear forces
Shear strength
Stress-strain curves
Torsion
Twisting
Twisting stress
Vane shear tests

Torts 0504.1
BT –Civil law
RT –Damages
Judicial decisions
Laws
–Legal aspects
Liabilities

Total costs 1401
BT –Costs
RT Construction costs
Electric power costs
Engineering costs
Labor costs
Unit costs

Total income
USE Gross income

Total loads 2011
BT –Loads (forces)
RT –Axial loads
Biaxial loads
Cyclic loads
Dead loads
Dynamic loads
Eccentric loading
External forces
Horizontal loads
Internal forces
–Live loads
–Structural analysis
–Structural design
Total stress
Triaxial loads
Ultimate loads
Vertical loads
–Weight

Total stress 2011
BT –Stress
RT Compressive stress
Effective stress
External forces
Internal forces
Neutral stress
Normal stress
–Pore pressure
Tensile stress
Total loads

Toughness 2012
BT –Mechanical properties
–Physical properties
RT Abrasion resistance
Brittleness
Cohesion
Ductility
Hardness
Impact tests
Penetration resistance
–Tensile properties
–Wear resistance

Tourism 0503
RT –Income
National historic sites
National monuments
–National parks
–Recreation
Scenic highways

Towers 1313.5
BT –Structures
NT Aluminum towers
Anchored towers
Guyed towers
Transmission towers
RT Antennas
–Buildings
Concrete tanks
–Intake structures
–Structural design
Suspension bridges
–Tanks (containers)
Wind bracing

Towing 1407
RT –Cables
Trailers
Vehicles
Wire rope

Toxicants
USE Poisons

Toxicity 0620
NT Pesticide toxicity
Phytotoxicity
RT Air pollution effects
Bioassay
–Chemical properties
–Contamination
Impurities
Lethal limit
Parasitism
–Pathology
–Pesticides
–Poisons
Public health
Radiation effects
Radioactive contamination
–Safety
Soil contamination effects
–Tolerances (plant)
Toxic waste disposal
–Toxins
Venoms
Water pollution effects

Toxic waste disposal 1302.1
BT –Disposal
–Waste disposal
RT –Contamination
–Hazards
–Poisons
Pollutants
–Pollution control
Public health
–Toxicity
Waste dilution
–Waste treatment

Toxins 0615
BT –Chemicals
–Poisons
NT Algal toxins
Fish toxins
Venoms
RT –Air pollution
Inhibitors
Lethal limit
Mortality
–Pesticides
Plant growth substances
Poisonous plants
Pollutants
Sea nettles
Soil contamination
Stream pollution
–Toxicity
–Water pollution
–Water purification

Trace elements 0601 0616
UF Elements (trace)
RT –Geochemistry
Soil chemical properties
Water analysis
–Water chemistry
Water properties

Tracers 1402
NT Radioactive tracers
RT –Detectors
Dye releases
–Dyes
Fluorescein
–Fluorescence
–Indicators
–Isotopes
Labels
Locating
Marking techniques
–Movement
Path of pollutants
Radioactive contamination
–Radioactivity techniques
Radioecology
–Radioisotopes
Stable isotopes
Tagging
Tracking techniques
Translocation

Tracheids 0603.1
BT –Plant tissues
–Vascular tissues
–Xylem

Tracking techniques 1402
BT –Analytical techniques
RT –Detectors
Dye releases
Marking techniques
Path of pollutants
Radioactive tracers
–Radioisotopes
Remote sensing
Telemetry
–Tracers

Traction 1407
RT –Friction
Friction coefficient (mechanical)
–Motor vehicles
Trafficability
Vehicles

Tractive forces 0808
UF Forces (tractive)
NT Critical tractive force
RT Bed load
Boundary shear
–Degradation
External friction
–Flow
–Fluid mechanics
–Hydraulics
–Loads (forces)
Movable bed models
–Movement
–Running waters
–Sediment load
Sedimentology
–Sediment transport
Stable channels
–Streambeds
Stream erosion
–Streamflow

Tractors 1306
BT –Construction equipment
–Equipment
NT Bulldozers
RT –Earth handling equipment
–Excavators
Farm equipment
–Motor vehicles
Tires

Trade associations 0501
BT –Organizations
RT Cooperatives
–Economics
–Employment
Labor unions

Traffic 1407
RT Automobiles
Motor vehicle accidents
–Motor vehicles

Trafficability 0813
RT –Bearing capacity
Hauling
–Pavements
–Roads
Seal coat
–Soil physical properties
–Soil properties
Traction
Vehicles

Traffic accidents
USE Motor vehicle accidents

Trailers 1306
RT Automobiles
–Couplings
–Motor vehicles
Skids
Sleds
Towing

Training 0509
NT Management training
Orientation
RT Abilities
Careers
Colleges
–Education
Employee relations
Employment opportunities
Engineering education
–Engineering personnel
Foreign activities
–Instruction
Labor unions
Leadership
Learning
Management planning
Manpower
Manuals
Memory
Morale
Occupations
–Personnel
Personnel management
Professional advancement
Professional development
–Professional personnel
Programmed instruction
–Programs
–Schools (education)
Scientific personnel
Self-improvement
Students
Universities
Visual aids

Training walls 1313.1
BT –Walls
RT Approach channels
Entrance channels
Guide walls
Headwalls
Headworks
Intake channels
Intake transitions
–Outlet works
Sluice gates
Spillway approach
Spillway piers
–Spillways
–Transitions (structures)

Tramways 1303
RT Conveyances
–Conveyors
–Materials handling equipment
Railroads

Tranquil flow
USE Subcritical flow

Transducers 0901
NT Piezoelectric transducers
RT Accelerometers
–Detectors
Dial gages
Extensometers
–Gages
–Indicators
–Instrumentation
–Meteorological instruments
Pressure cells
–Pressure measuring instruments
–Sensors
–Strain gages
Telemetry systems

Transfer 1407
NT –Energy transfer
Heat transfer
Interbasin water transfers
Mass transfer
Momentum transfer
Water transfer
RT Circulation (plants)
Hydrologic cycle
–Ion exchange
–Kinetics
Moisture uptake
–Movement
Path of pollutants
–Sediment transport
Translocation
Transpiration
–Transportation

Transformations 1407
UF Mathematical transformations
NT Phase transformations
RT –Conversion
–Differential equations
Integrals
–Linear algebra
–Mathematical analysis
–Mathematics

Transformer oils 1108
BT –Oils
RT Autotransformers
–Circuit breakers
Electrical insulation
Electrical insulation tests
Insulating oil
–Power transformers
Switchgear
–Transformers

Transformers 0905
BT –Electrical equipment
–Equipment
NT Autotransformers
Current transformers
Instrument transformers
Potential transformers
–Power transformers
RT Circuit protection
Electrical grounding
Electric reactors
Impulse tests (electrical)
Induced currents
Induced voltage
Insulating oil
Substations (electrical)
Switchyards (electrical)
Transformer oils
Voltage regulators

Transient flow 2004
BT –Flow
–Fluid flow
–Movement
RT Aerodynamics
–Critical flow
–Fluid dynamics
Fluid friction
–Hydraulics
Laminar flow
Non-uniform flow
Orifice flow
Pipe flow
Reynolds number
Steady flow
–Streamflow
Subcritical flow
Supercritical flow
Transients
Turbulent flow
Uniform flow
–Unsteady flow

Transients 1407
RT Electrical stability
–Flow
Groundwater movement
Non-uniform flow
Nuclear explosions
Overland flow
Sheet flow
Soil dynamics
–Stability
–Surges
Switching surges
Transient flow
Transient stability
Transient stress
Turbulent flow
Variability
Water hammer
Waveforms
–Waves

Transient stability 2003
BT –Stability
RT –Disturbances
Power system stability
Transients
–Transmission (electrical)

Transient stress 2012
BT –Stress
RT Cyclic loads
Dynamic loads
Earthquake loads
Impact loads
–Seismic waves
Shock (mechanics)
Shock tests
Shock waves
Stress waves
Transients
–Vibration

Transistors 0901
BT –Semiconductors
RT Amplifiers
–Electric switches
–Electrodes
Electronics
Integrated circuits
Rectifiers
Thyristors

Transition flow 2004
UF Laminar-turbulent flow
Turbulent-laminar flow
BT –Flow
–Fluid flow
–Movement
RT –Critical flow
Flow patterns
Froude number
Hydraulic jump
Laminar flow
Reynolds number
Turbulent flow

Transitions (structures) 1313.1
NT Intake transitions
RT Contraction
Cutoffs
–Entrances (fluid flow)
Guide walls
–Outlets
–Pipelines
Sudden enlargements
Taper
Training walls

Transition zones 1313.1
RT –Earth dams
–Filters
–Fluid filters
Impervious membranes
Pervious membranes
Rockfill dams
Sand filters
–Seepage
Seepage control
Zoned embankments

Transit mixers 1303
BT –Construction equipment
–Mixers
RT Concrete mixes
Concrete plants

Translating 0507
NT Machine translating
RT Dictionaries
–Documentation
Foreign research
Information science
–Languages
Libraries
Translations

Translations 0507
RT Abstracts
Data collections
–Documentation
Editing
Foreign research
Information retrieval
Libraries
Publications
–Records
Reviews
Technical papers
Technical societies
–Technical writing
–Translating

Translatory waves 2004
BT –Periodic variations
–Waves
RT Flow rates
Fluctuation
Open channel flow

Translocation 0603.1
RT Circulation (plants)
Defoliants
Desiccants
Fertilizers
–Ion transport
Mode of action
Moisture uptake
–Movement
Osmotic pressure
Path of pollutants
Persistence
Pesticide kinetics
Phloem
Photosynthesis
Plant physiology
–Sterilants
Systemics
–Tracers
–Transfer
Transpiration
–Xylem

Transmissibility
USE Transmissivity

Transmissibility coefficient 0808.1
RT –Aquifers
Groundwater flow
Groundwater movement
Permeability

Transmission (electrical) 0901.1
UF Electric power transmissions
NT Tuned transmission
RT Attenuation
Buried cables
Circuit protection
–Converters (electrical)
Electrical design
Electrical engineering
–Electrical faults
–Electrical insulators
–Electric cables
–Electric conductors
Electric corona losses
Electric networks
–Electric power
Electric power distribution
–Electric power failure
–Electric power production
–Electric switches
Extra high voltage
Extra long distance
Frequency stabilizers
Ground return
High voltage
–Interconnected systems
Line switching
Load-frequency control
Loops (electrical)
Mobile substations
Oil-filled cables
Overhead ground wire
Power dispatching
Power grids
Power interchange
Power loads
Power pooling
–Power transformers
Protective relaying
Rural electrification
Shunt reactors
Shunt resistors
Substations (electrical)
Supervisory control (power)
Switching
Switchyards (electrical)
Terminal facilities (electrical)
Transient stability
–Transmission lines
Transmission loss
Ultra high voltage
Underground cables
Underground transmission lines
Wood-pole transmission lines

Transmission lines 0901.1
NT Submarine cables
Underground transmission lines
Wood-pole transmission lines
RT Aeolian vibration
Aluminum towers
Anchored towers
–Circuits
Electrical design
Electrical engineering
Electrical grounding
–Electrical insulators
–Electric cables
–Electric conductors
–Electric current
Electric networks
Electric power distribution
Electric wire
Extra high voltage
Extra long distance
Galloping conductors
Guyed towers
Helicopters
High voltage
Ice loads
–Interconnected systems
Mobile substations
Overhead ground wire
Power cables
Power grids
Power interchange
Powerline carriers
–Protection (electrical)
Protective relaying
Radio interference
Rural electrification
Sagging
Shunt reactors
Shunt resistors
Stranded conductors
Stringing
Substations (electrical)
Suspension insulators
Switching
Switchyards (electrical)
System stability (electric)
Terminal facilities (electrical)
–Transmission (electrical)
Transmission loss
Transmission towers
Tuned transmission
Ultra high voltage
Vibration damping

Transmission loss 0901.1
RT Attenuation
Electric power distribution
Electric power losses
Power dispatching
–Transmission (electrical)
–Transmission lines
Tuned transmission
Voltage regulation
Wood-pole transmission lines

Transmissions (mechanical) 1309
RT Clutches (mechanical)
–Couplings
–Drives
Gears
Power transmission (mechanical)
–Shafts (machinery)
Variable-speed drives

Transmission towers 1313.5
BT –Towers
RT Aeolian vibration
Aluminum towers
Anchored towers
Antennas
Auger-type footings
Electricity
Erection
–Footings
Galloping conductors
Grillage footings
Guyed towers
Pad footings
–Powerplants
Pressed plate footings
Steel structures
Structural steel
–Transmission lines
Wind pressure
Wood-pole transmission lines

Transmissivity 0808.1
UF Transmissibility
BT –Hydrologic properties
RT Aquifer characteristics
Darcys law
Diffusivity
Groundwater movement
Permeability
–Physical properties
Porous media
Saturated flow
Specific yield
Storage coefficient
Theis equation
Thiems equation
Visibility
Wave propagation

Transmitters 1402
BT –Instrumentation
NT Radiosondes
Repeaters (communications)
RT Antennas
Communication
Microphones
Pneumatic systems
–Radar
Radios
–Receivers
Signal generators
Telephones
–Television
Underwater television

Transpiration 1407
RT –Absorption
Air circulation
Carbon cycle
Circulation (animals)
Circulation (plants)
–Climatology
Consumptive use (water)
Cuticle
–Cutting management
Degree days
Dehydration
–Drying
–Energy budget
Epidermis
–Evaporation
–Evapotranspiration
Exudation
–Genetics
Hydrologic cycle
Hydrologic equation
–Meteoric water
–Meteorology
Microenvironment
Moisture deficit
Moisture uptake
Phase studies
Photosynthesis
Phytometers
Pores
Potential evapotranspiration
Respiration
Riparian plants
Riparian water loss
Soil water movement
Stomata
Sweat
–Transfer
Translocation
Transpiration control
–Vaporization
–Water loss
Wilting

Transpiration control 0204
BT –Control
RT Chemcontrol
Evaporation control
–Evapotranspiration
Evapotranspiration control
Stomata
Transpiration
Water conservation
–Water utilization
Water yield improvement

Transportation 1505
UF Shipping
NT Hydraulic transportation
Water transportation
RT Access roads
Access routes
–Boats
–Canals
–Civil engineering
Commerce
Communication
Conveyances
–Distribution
Harbors
Helicopters
–Highways
–Inland waterways
Logistics
Materials handling
Mechanical equipment
Navigation
Railroads
–Recreation
River basin development
–Roads
–Ships
Sleds
Submarine pipelines
–Transfer
–Waterways

Transport depletion 1302.5
BT –Membrane processes
–Separation techniques
RT Desalination processes
–Ion transport

Transport phenomena 2012
NT Beta particles
Conduction
Convection
–Cooling
Cosmic rays
–Diffusion
–Elastic waves
–Electromagnetic waves
–Energy transfer
–Heating
Heat transfer
Infrared radiation
Ion diffusion
Jet diffusion
Mass transfer
Momentum transfer
–Osmosis
–Radiation
–Radio waves
Reverse osmosis
Solar radiation
Thermal radiation
Ultraviolet radiation
Viscous flow
X-rays
RT Laminar flow
Momentum
Thermal conductivity
Turbulent flow
Viscosity

Transverse joints 1305
BT –Joints (connections)
RT Circumferential joints
–Construction joints
Contraction joints
Dowels
Expansion joints
Floors
Joint fillers
Keyways
Longitudinal joints
–Pavements
Slabs
–Walls
Water stops

Transverse waves 2011
BT –Waves
RT –Elastic waves
Longitudinal waves
–Mechanical waves
Seismic investigations
–Seismic waves
Shear waves

Trap efficiency 0808
RT Inflow
Reservoir storage
Retention
Sediment production
Sediment yield

Trapezoidal channels 1313.1
UF Channels (trapezoidal)
BT –Channels
RT Canal design
Canal embankments
–Canals
–Conveyance structures
–Noncircular conduits
Open channel flow
–Open channels
Trapezoidal flumes

Trapezoidal flumes 1313.1
BT –Channels
–Conduits

Trapezoidal flumes (Con.)
–Flumes
RT Aqueducts
–Conveyance structures
–Noncircular conduits
Open channel flow
–Open channels
Trapezoidal channels

Trapping 0603.2
RT Bait traps
–Furbearers
Marking techniques
–Nets

Trashracks 1313.1
BT –Barriers
–Debris barriers
RT –Hydraulic structures
–Intakes
–Intake structures
Intake towers
–Outlet works
Pump intakes
Screening
–Screens
Stainless steel
–Steel

Traveling cranes 1309
BT –Construction equipment
–Cranes (hoists)
–Materials handling equipment
RT –Hoisting machinery
Overhead cranes

Travertine 0807
BT –Carbonate minerals
–Minerals
RT –Calcareous rocks
Calcite
–Calcium carbonate
–Carbonate rocks
–Carbonates
–Hot springs
–Limestone
Marble

Trawling 0511
UF Trolling
BT –Fishing
RT –Nets

Treaties 0504
NT International compacts
RT Export
–Foreign trade
Foreign waters
Import
International waters
Negotiations
Tariff
–Water law

Treatment 1407
NT Activated sludge
Aerobic treatment
Annealing
Biological treatment
–Heat treatment
–Industrial waste treatment
Pre-treatment (water)
Sewage stabilization
–Sewage treatment
Sludge treatment
Soil treatment
Solids contact process
Stress relieving
Tertiary treatment
–Waste treatment
Waste water treatment
Water pollution treatment
–Water purification
Water softening
–Water treatment
RT –Biodegradation
Chlorination
Cleaning
Coagulation
–Demineralization
–Desalination
–Dilution
Disinfection
–Disposal
Exposure
Foam fractionation
Oxygenation
Sanitary engineering
–Separation techniques
–Settling basins
Surface sealing
Trickling filters
Water treatment plants

Treatment facilities 1308
BT –Facilities
RT Cities
–Contamination
Desalination plants
–Industrial plants
Municipalities
Sewage treatment plants
–Waste treatment
–Water pollution
–Water treatment
Water treatment plants

Tree rings
USE Dendrochronology

Trees 0206 0603.1
BT –Plants (botany)
NT Ash trees
Balsam fir trees
Birch trees
Black locust trees
Bristlecone pine trees
–Coniferous trees
Cottonwoods
–Deciduous trees
Douglas fir trees
–Fir trees
Grand fir trees
Hemlock trees
Hickory trees
Jack pine trees
Juniper trees
Loblolly pine trees
Lodgepole pine trees
Maple trees
Noble fir trees
Oak trees
Pacific silver fir trees
–Pine trees
Pinyon pine trees
Ponderosa pine trees
Red fir trees
Red pine trees
Scotch pine trees
Sycamore trees
White-cedar trees
White fir trees
White pine trees
Willow trees
Yellow pine trees
RT –Amphibious plants
Apples
Bark
–Biology
Chaparral
Dates
Dendrochronology
Forestry
–Forests
Grapefruit
Hardwood
Industrial crops
Landscaping
Lemons
Limes
Lumbering
Macadamia
Oranges
Orchards
–Ornamentals
Peaches
Pecans
Plant groupings
Shelterbelts
Softwood
Windbreaks
–Wood

Trematodes 0603.2
UF Cercariae
Nematobothrium texomensis
BT –Animal parasites
–Animals
–Invertebrates
–Parasites
–Worms
RT –Aquatic animals

Tremie concrete 1303 1315
BT –Building materials
–Concretes
–Construction materials
RT –Concrete placing
Pumped concrete
Underwater construction
Underwater foundations

Trenchers
USE Excavators

Trenches 1302
NT Cutoff trenches
RT Backfills
–Blasting
Cutoff walls
Cuts
Cut slopes
–Ditches
–Earthworks
–Excavation
–Exploration
–Explosive excavation
Foundation investigations
Pipe cover
Pipe cradles
Pipe laying
–Pipelines
–Pits
Shoring
Soil investigations
Subsurface investigations
Test holes
Test pits

Trestles 1313.5
BT –Engineering structures
–Structures
NT Wooden trestles
RT Bents (structural)
–Bracing
–Bridges (structures)
Crossings
Fixed structures
–Structural design
–Structural members
–Supports
Wind bracing

Trial-load method 1313.1
RT –Arch dams
–Concrete dams
Dam foundations
Double-curvature arch dams
–Stress
Stress analysis
–Structural analysis
–Structural design
Thin arch dams

Triangular weirs
USE Vee-notched weirs

Triangulation nets 0802
UF Triangulation stations
BT –Nets
RT Angles (geometry)
Geodesy
Geodetic surveys
–Maps
–Plane surveying
Position finding
Reservoir surveys
–Surveying

Triangulation stations
USE Triangulation nets

Triaxial compression 2012
BT –Axial compression
–Compression
RT Biaxial compression
–Compression tests
Compressive strength
Compressive stress
–Shear tests
Soil compression tests
–Strain
–Stress
Triaxial loads
Triaxial stress
Triaxial tension
Triaxial tests

Triaxial loads 2012
BT –Axial loads
–Loads (forces)
RT Biaxial loads
Confining pressure
Load distribution
–Strain
Total loads
Triaxial compression
Triaxial shear
Triaxial stress
Triaxial tension
Triaxial tests

Triaxial shear 2012
BT –Axial shear
–Shear
RT Biaxial shear
–Failure (mechanics)
Shear distribution
Shear forces
Shear strength
–Shear tests
Triaxial loads
Triaxial stress
Triaxial tension
Triaxial tests

Triaxial stress 2012
BT –Axial stress
–Stress
RT Biaxial stress
Normal stress
–Strain
Triaxial compression
Triaxial loads
Triaxial shear
Triaxial tension
Triaxial tests

Triaxial tension 2012
BT –Axial tension
–Tension
RT Biaxial tension
–Strain
–Tensile strength
Triaxial compression
Triaxial loads
Triaxial shear
Triaxial stress
Triaxial tests

Triaxial tests 1402
BT –Materials tests
–Tests
RT –Compression tests
Confining pressure
Laboratory tests
Rock tests
–Shear tests
Soil compression tests
–Soil tests
Triaxial compression
Triaxial loads
Triaxial shear
Triaxial stress
Triaxial tension

Triazine pesticides 0606
BT –Chemicals
–Organic pesticides
–Pesticides

Triazole pesticides 0606
BT –Chemicals
–Organic pesticides
–Pesticides

Tributaries 0808
BT –Bodies of water
–Running waters
–Streams
–Waterways
RT Backwater
Bayous
Drainage density
–Fluvial morphology
Junctions
–Rivers
River systems
Stream drainage patterns

Trickle irrigation 0203.1
BT –Gravity irrigation
–Irrigation
–Irrigation systems
–Surface irrigation
RT –Drops (fluids)
Fertilizers
–Filters
Plastic pipes
Plastic tubing
–Valves
Water meters

Trickling filters 1302.1
BT –Filters
–Fluid filters
RT Organic loading

Trickling filters (Con.)
Sand filters
–Sewage treatment
Sewage treatment plants
–Sewage works
Solids contact process
–Treatment
–Waste treatment

Trifolium (species unspecified)
USE Clovers

Trifolium incarnatum
USE Crimson clover

Trifolium pratense
USE Red clover

Trifolium repens
USE White clover

Trifurcations 1311.1 1313.3
BT –Branches
RT Bifurcations
–Canals
Discharge lines
–Hydraulic models
–Hydraulic structures
Junctions
Penstocks
–Pipelines
Small structures
Wye branches

Trigonometry 1201
BT –Mathematics
RT Angles (geometry)
–Design
–Geometric shapes
Geometry
Highway engineering
Position finding
Road design
–Surveying

Tripton 0810
BT –Aquatic drift
–Seston
RT Flotsam
Humus
–Organic matter
–Organic wastes
–Sediment load
–Sediments
–Sediment transport
Suspension

Triticum aestivum
USE Wheat

Tritium 1802
UF Hydrogen radioisotopes
BT –Isotopes
–Radioisotopes
RT Deuterium
Fallout
Hydrogen

Trolling
USE Trawling

Trophic level 0801
RT Balance of nature
Carnivores
–Cycles
–Ecosystems
Eutrophication
Food chains
–Herbivores
Omnivores
–Productivity
Standing crop

Tropic 0402
UF Torrid
RT Climatic zones
Humid areas
Humid climates
Laterites
–Pedalfers
Rain forests
–Regions
Subtropic
–Tropical cyclones
Wet climates

Tropical cyclones 0402
BT –Storms
NT Hurricanes
Typhoons
RT Disasters
Extratropical cyclones
–Meteorology
Oceans
Rain
Tropic
Weather patterns
–Wind (meteorology)

Tropical fruits 0204
BT –Crops
–Fruit crops
–Horticultural crops
–Plants (botany)
RT –Dicots
–Monocots
Plant groupings

Tropical regions 0806
BT –Regions
RT –Climatology
–Geography
High temperature
Laterites

Tropisms 0606
NT Geotropism
Phototropism
Rheotropism
RT –Biology
–Environmental effects
Physiological ecology

Troposphere 0401
BT –Atmosphere

Trout 0603.2
BT –Animals
–Aquatic animals
–Aquatic life
–Cold-water fish
–Fish
–Pan fish
–Salmonids
–Wildlife
NT Brook trout
Brown trout
Cutthroat trout
Lake trout
Rainbow trout
RT Sport fish

Truck crops
USE Vegetable crops

Trucks
USE Vehicles

Trumpeter swan 0603.2
UF Olor buccinator
BT –Animals
–Birds
–Non-game birds
–Swans
–Wildlife

Truss bridges 1313.5
BT –Bridges (structures)
–Engineering structures
RT Bailey bridges
Continuous trusses
Highway bridges
Railroad bridges
–Structural design
–Trusses
Wooden bridges

Trusses 1313.5
NT Arch trusses
Continuous trusses
RT Bays (structural)
Bents (structural)
–Bracing
–Bridges (structures)
Compression members
Fixed structures
–Frames
Gusset plates
–Joints (connections)
Rigid frames
–Structural design
–Structural members
Struts
Truss bridges
Wind bracing

Tsuga species
USE Hemlock trees

Tsunamis 0803
BT –Ocean waves
–Waves
–Waves (water)
RT Bores (wave)
–Earthquakes
Ocean beaches
Ocean circulation
Oceanography
–Saline water intrusion
Seismic design
–Seismic waves
Tidal hydraulics
Wave action
Wave generation
Wave height
Wave run-up

Tubes 1311
BT –Closed conduits
–Conduits
NT Capillary tubes
Cast iron pipe
Copper tubing
Corrugated metal pipe
Draft tubes
Flexible tubing
Metal pipes
–Pitot tubes
Plastic tubing
–Rigid tubing
Rubber tubing
Shock tubes
Vortex tubes
RT Aqueducts
–Casings
Compression fittings
–Conveyance structures
Hoses
Manifolds
–Orifices
–Pipes
Piping systems (mechanical)
Siphons
Structural shapes
–Tunnels

Tube turbines 1307.1
BT –Hydraulic machinery
–Hydraulic turbines
RT Turbine parts
Turbine runners
–Turbines
Turbine wheels

Tubificidae
USE Tubificids

Tubificids 0603.2
UF Tubificidae
BT –Animals
–Annelids
–Aquatic animals
–Aquatic life
–Benthic fauna
–Benthos
–Invertebrates
–Oligochaetes
–Worms

Tuff 0807
BT –Crystalline rocks
–Rocks
–Volcanic rocks
NT Sedimentary tuff
RT –Igneous rocks
Pumice
–Sedimentary rocks
Volcanic ash

Tules
USE Bulrush

Tundra 0806
BT –Biomes
–Regions
RT Arctic
–Climate
–Cold regions
–Frozen soils
Permafrost
–Soil types
Subarctic

Tuned transmission 0901.1
BT –Transmission (electrical)
RT Attenuation
–Electric power
–Transmission lines
Transmission loss

Tungsten 0702
BT –Chemical elements
–Metals
–Refractory metals
RT Tungsten alloys
Tungsten compounds

Tungsten alloys 1106
BT –Alloys
–Heat resistant alloys
–Metals
RT –Steel
Tungsten

Tungsten compounds 0702
BT –Chemical compounds
RT Tungsten

Tuning forks 2001
BT –Resonators
RT –Acoustics
Natural frequency

Tunnel construction 1315
UF Tunnel shafts
BT –Construction
–Excavation
NT Tunneling
RT Adits
–Blasting
Boring machines
Compressed air
Diversion tunnels
–Drainage
–Earth handling equipment
–Earth pressure
Earthquake-resistant structures
–Excavators
–Explosives
High explosives
Jacking
Lagging
Liner plates
–Mining
Overbreak
Overexcavation
Railroad tunnels
–Rock bolts
Rock breakage
Rock excavation
Rock mechanics
Rock pressures
Roof bolts
Roof supports
Shafts (excavations)
Shafts (mining)
Shotcrete
Slip forms
Tunnel design
Tunneling machines
Tunnel linings
Tunnel plugs
Tunnel pressures
–Tunnels
Underground explosions
Underground powerplants
–Underground structures
Underwater construction
Vehicular tunnels
–Waste dumps
–Water tunnels (conveyance)

Tunnel design 1313.2
BT –Design
RT –Bends (hydraulic)
Design criteria
Diversion tunnels
Mining engineering
Pressure tunnels
Railroad tunnels
–Rock bolts
Rock mechanics
Rock pressures
Roof bolts
Shafts (mining)
Steel linings
–Structural design
Timbers
–Tunnel construction
Tunnel failure
Tunnel hydraulics
Tunneling
Tunneling machines
Tunnel linings
Tunnel plugs
Tunnel pressures
–Tunnels

Tunnel design (Con.)
–Underground structures
Vehicular tunnels
–Water tunnels (conveyance)
Underwater construction
Unlined tunnels
–Water tunnels (conveyance)

Tunnel diodes
USE Solid state physics

Tunnel failure 1313.2
BT –Failure
RT Buckling
Collapse
–Cracks
Disasters
–Failure (mechanics)
–Heaving
Railroad tunnels
Rock competency
Rock mechanics
Rock noise
Rock pressures
Rockslides
Tunnel design
Tunnel linings
Tunnel plugs
–Tunnels
–Water tunnels (conveyance)

Tunnel hydraulics 2004
BT –Fluid mechanics
–Hydraulics
RT Diversion tunnels
–Fluid mechanics
Free flow
–Hydraulic structures
Pressure tunnels
Roughness (hydraulic)
Roughness coefficient
Steel linings
Tunnel design
Tunnel linings
Tunnel pressures
–Tunnels
Unlined tunnels
–Water tunnels (conveyance)

Tunneling 1315
BT –Construction
–Excavation
–Tunnel construction
RT –Blasting
Boring
Boring machines
Earthmoving
–Excavators
Faults (geology)
Fractures (geology)
–Heaving
Jacking
Joints (geology)
Overbreak
Railroad tunnels
–Rock bolts
Rock breakage
Rock competency
Rock excavation
Rock mechanics
Rock noise
Rock pressures
Rock properties
Roof bolts
Roof supports
Shields
Smooth wall blasting
Swelling pressure
Tunnel design
Tunneling machines
–Tunnels
Vehicular tunnels
–Water tunnels (conveyance)

Tunneling machines 1303
UF Moles
BT –Construction equipment
–Drilling equipment
–Earth handling equipment
–Equipment
–Excavators
–Machines
RT Boring machines
–Maintenance
Railroad tunnels
Rapid excavation
Rock excavation
–Rotating machines
Shields
–Tunnel construction
Tunnel design
Tunneling
–Tunnels

Tunnel linings 1313.2
BT –Linings
RT –Bracing
Diversion tunnels
–Earth pressure
–Grouting
Lagging
Liner plates
Pressure tunnels
Railroad tunnels
Ribs
Rigid linings
Rockfalls
Rock pressures
–Roughness
–Seepage
Shotcrete
Steel linings
Structural behavior
Struts
–Tunnel construction
Tunnel design
Tunnel failure
Tunnel hydraulics
Tunnel pressures
–Tunnels
Tunnel supports
Vehicular tunnels
–Water tunnels (conveyance)

Tunnel plugs 1313.2
BT –Plugs
RT Diversion tunnels
Pressure tunnels
–Tunnel construction
Tunnel design
Tunnel failure
Tunnel pressures
–Tunnels
–Water tunnels (conveyance)

Tunnel pressures 1313.2
BT –Pressure
RT Pressure tunnels
Rock bolts
Tunnel construction
Tunnel design
Tunnel hydraulics
Tunnel linings
Tunnel plugs
Underground powerplants
–Underground structures
Unlined tunnels
–Water tunnels (conveyance)
Water tunnels (testing)

Tunnels 1313.2
BT –Conduits
–Conveyance structures
–Underground structures
NT Adits
Burrows
Diversion tunnels
Pressure tunnels
Railroad tunnels
Unlined tunnels
Vehicular tunnels
–Water tunnels (conveyance)
Water tunnels (testing)
RT Aqueducts
–Civil engineering
Discharge lines
–Drift
–Entrances (fluid flow)
–Excavation
Free flow
Friction coefficient (hydraulic)
–Hydraulics
–Hydraulic structures
Interbasin water transfers
Jacking
Jacking tests
Lagging
Manholes
Mining engineering
–Noncircular conduits
–Outlet works
Penstocks
Relief vaults
–Roads
–Rock bolts
Rock competency
Rock mechanics
Roof bolts
Roof supports
Semicircular sections
Sewers
Shafts (excavations)
Shafts (mining)
Shaft spillways
Shotcrete
Side channel spillways
Streets
Structural behavior
–Tubes
–Tunnel construction
Tunnel design
Tunnel failure
Tunnel hydraulics
Tunneling
Tunneling machines
Tunnel linings
Tunnel plugs
Underground
Underground openings
Underground powerplants
Water conveyance
Water transportation

Tunnel shafts
USE Tunnel construction

Tunnel supports 1313.2
BT –Supports
RT –Bracing
Embedded metal
–Grouting
Lagging
Liner plates
Railroad tunnels
Ribs
–Rock bolts
Rock competency
Roof bolts
Shotcrete
Struts
Tunnel linings
Unlined tunnels

Turbidimeters 1402
BT –Equipment
–Instrumentation
–Measuring instruments
–Meters
–Test equipment
RT –Colloids
Laboratory equipment
Laboratory tests
Light penetration
Photometers
Sediment samplers
Suspended sediments
Suspended solids

Turbidity 2006
BT –Physical properties
RT –Aquatic environment
Bedload movement
Clarity
–Colloids
–Density
Haze
Immiscibility
Impaired water quality
Light penetration
Opacity
–Optical properties
Suspended sediments
Suspended solids
Suspension
Turbidity currents
Water pollution effects
Water properties
–Water quality

Turbidity currents 0803
BT –Currents (water)
–Flow
–Fluid flow
–Movement
RT Continental slope
–Density
Density currents
–Erosion
–Ocean currents
–Reservoirs
–Slopes
Stream erosion
Turbidity

Turbine blades 1307.1
RT Blades
Critical speed
–Electric powerplants
–Hydraulic machinery
–Hydraulic turbines
Hydroelectric powerplants
Impellers
Turbine parts
Turbine runners
–Turbines
Turbine wheels
Water wheels

Turbine efficiency 1307.1
BT –Efficiencies
RT Chemical dilution method
Critical speed
Flow measurement
–Fluid flow
Gibson method
–Hydraulic turbines
Pressure head
–Reaction turbines
–Reversible turbines
Salt velocity method
Steam turbines
Test procedures
Velocity head

Turbine parts 1307.1
RT Draft tubes
Guide vanes
–Hydraulic turbines
Nozzles
–Pump turbines
–Reaction turbines
–Rotors
Seal rings
Spiral cases
Stay rings
Stay vanes
Tube turbines
Turbine blades
Turbine runners
Turbine shafts
Turbine wheels
Wicket gates

Turbine runners 1307.1
RT Critical speed
–Electric powerplants
–Hydraulic machinery
–Hydraulic turbines
Hydroelectric powerplants
Impellers
–Reaction turbines
–Reversible turbines
Rotating components
Specific speed
Tube turbines
Turbine blades
Turbine parts
–Turbines
Turbine shafts
Turbine wheels
Water wheels

Turbines 1307.1
BT –Rotating machines
NT Axial flow turbines
Bulb turbines
Deriaz pump turbine
Francis turbines
–Hydraulic turbines
Impulse turbines
Kaplan turbines
Pelton turbines
–Pump turbines
–Reaction turbines
–Reversible turbines
Steam turbines
RT Axial flow
Blades
Centrifugal pumps
Draft tubes
–Electric power
–Electric powerplants
–Generators
Governors
Hydroelectric powerplants
Impellers
Nozzles
Penstocks
Propellers
–Pumps
–Rotors
Spiral cases
Stators
Stay rings
Stay vanes
Tailrace
Thermal power

Turbines (Con.)
Tube turbines
Turbine blades
Turbine runners
Turbine shafts
Turbine wheels
Turbogenerators
Water wheels

Turbine shafts 1307 1307.1
BT —Shafts (machinery)
RT —Couplings
—Hydraulic turbines
Turbine parts
Turbine runners
—Turbines

Turbine wheels 1307.1
BT —Rotors
—Wheels
RT Francis turbines
—Hydraulic turbines
Impulse turbines
Pelton turbines
—Pump turbines
Stators
Tube turbines
Turbine blades
Turbine parts
Turbine runners
—Turbines
Water wheels

Turbogenerators 1002
BT —Electric generators
—Generators
RT —Hydraulic turbines
Steam turbines
—Turbines

Turbulence 2004
RT Air circulation
Air demand
—Air masses
Atmospheric motion
Bed load
Bridge piers
—Disturbances
Eddies
—Flow
—Fluid dynamics
—Fluid flow
Frazil ice
Gusts
—Hydraulics
—Mechanical properties
Mixing
Motion
—Movement
Reaeration
Reynolds number
Roll waves
Rotational flow
Steady flow
—Storms
Turbulent flow
Vortices
Wakes
—Water circulation
Water properties
—Waves
—Waves (water)
—Wind (meteorology)

Turbulent boundary layers 2004
BT —Boundary layer
RT Boundary shear
Laminar boundary layers
Turbulent flow

Turbulent flow 2004
BT —Flow
—Fluid flow
—Movement
RT Aerodynamics
Bed load
Boundary shear
—Critical flow
Eddies
Flow distribution
Flow patterns
—Fluid dynamics
Fluid friction
Friction coefficient (hydraulic)
High velocity
Hydraulic jump
Laminar flow
—Losses
Mixing length
Non-uniform flow
Open channel flow
Orifice flow
Pipe flow
Reynolds number
Steady flow
Subcritical flow
Supercritical flow
Test canals
Transient flow
Transients
Transition flow
—Transport phenomena
Turbulence
Turbulent boundary layers
Two-phase flow
—Unsteady flow
Viscosity

Turbulent-laminar flow
USE Transition flow

Turf 0204
UF Sod
RT —Clovers
Humic acids
Landscaping
Lawns
—Ornamentals
—Plants (botany)
Roadbanks
—Turf grasses
White clover

Turf grasses 0603.1
BT —Grasses
—Monocots
—Plants (botany)
NT Merion bluegrass
RT Agronomy
Bermudagrass
—Bluegrasses
Fescues
Horticulture
Kentucky bluegrass
Landscaping
Lawns
Perennial ryegrass
Plant groupings
Roadbanks
Turf

Turgidity 0603.1
RT Moisture availability
Moisture uptake
Osmotic pressure
Plant physiology
Respiration

Turkeys
USE Poultry

Turnout gates 1313.7
UF Head gates
BT —Gates
—Hydraulic gates
RT Metergates
Slide gates
Sluice gates
Turnouts

Turnouts 1313.1
RT Buried irrigation systems
—Gravity irrigation
—Irrigation canals
Irrigation ditches
Irrigation engineering
Turnout gates
Water distribution (applied)

Turnovers 0808
UF Overturns
RT —Lakes
Meromixis
—Reservoirs
Seasonal
Thermal stratification
—Water circulation

Turtles 0603.2
BT —Animals
—Reptiles
—Wildlife
RT —Aquatic animals

Twisting 1308
RT Bending
Bending moments
Bending stress
Buckling
—Deformation
Distortion (structural)
Eccentric loading
Rotation
Torque
Torsion
Torsion shear tests
Twisting stress

Twisting stress 2012
BT —Stress
RT Bending moments
Bending stress
Rotation
Tangential stress
Torque
Torsion
Torsion shear tests
Twisting

Two-dimensional 1407
RT One-dimensional
Three-dimensional

Two-part aquifers 0808.1
BT —Aquifers
RT Aquicludes
Artesian water
Artesian wells
Flow patterns
—Groundwater
Groundwater recharge
Permeability
Porosity
Recharge wells
Saline water-freshwater interfaces
—Springs (water)
—Water table
—Water wells

Two-phase flow 2004
BT —Flow
—Fluid flow
—Movement
RT Laminar flow
Steady flow
Turbulent flow

Typewriters
USE Office equipment

Typhoons 0402
BT —Storms
—Tropical cyclones
RT Gusts
Hurricanes
Rain
—Wind (meteorology)

U

Ultimate disposal 1302.1
BT —Disposal
—Waste disposal
RT Incineration
Liquid wastes
Radioactivity
—Solid wastes
Tertiary treatment
Waste storage
—Waste treatment

Ultimate loads 2011
BT —Loads (forces)
RT —Axial loads
Limit design
Load factors
Plastic theory
—Structural analysis
Structural behavior
—Structural design
Total loads
Ultimate strength design
Ultimate tensile strength

Ultimate strength design 1313.5
RT Limit design
Optimum design
Plastic theory
—Structural analysis
Structural behavior
—Structural design
Ultimate loads
Ultimate tensile strength

Ultimate tensile strength 2012
BT —Mechanical properties
—Strength
—Tensile properties
—Tensile properties
—Tensile strength
RT Destructive tests
—Physical properties
Poisson ratio
Stress-strain curves
Tensile stress
Tension tests
Ultimate loads
Ultimate strength design

Ultrabasic rocks 0807
BT —Crystalline rocks
—Igneous rocks
—Rocks
RT —Acidic rocks
—Basic rocks
—Intermediate rocks
—Plutonic rocks
—Volcanic rocks

Ultra high voltage 2003
BT —Electric potential
RT Alternating current
Direct current
—Electrical equipment
Electrical grounding
—Electric power
Extra high voltage
—Interconnected systems
—Power transformers
Radio interference
—Transmission (electrical)
—Transmission lines

Ultrasonic radiation
USE Ultrasonics

Ultrasonics 2001
UF Radiation (ultrasonics)
Ultrasonic radiation
RT —Acoustics
—Frequency
—Nondestructive tests
Resonance
Sonic velocity tests
—Sound waves
Ultrasonic tests

Ultrasonic tests 1402
BT —Materials tests
—Tests
RT —Acoustic equipment
—Acoustics
—Inspection
—Nondestructive tests
Sonic velocity tests
Soniscopes
Ultrasonics

Ultraviolet radiation 2006
UF Radiation (ultraviolet)
Ultraviolet rays
BT —Electromagnetic waves
—Radiation
—Transport phenomena
—Waves
RT Electromagnetic wave filters
Light waves
Solar radiation
Thermal radiation

Ultraviolet rays
USE Ultraviolet radiation

Unappropriated water 0504.1
RT —Prior appropriation

Uncertainty
USE Risks

Unconfined aquifers
USE Aquifers

Unconfined compression 2012
UF Unconfined compressive strength
BT —Compression
RT —Axial compression
—Compression tests
Compressive strength
Compressive stress

Unconfined compression (Con.)
–Shear tests
Soil compression tests
–Soil tests

Unconfined compressive strength
USE Unconfined compression

Unconfined water
USE Groundwater

Unconsolidated soils 0813
BT –Earth materials
–Materials
–Soils
RT –Alluvial deposits
Loose soils
Preconsolidation
Preloading
–Settlement (structural)
–Subsidence
Underconsolidation

Underconsolidation 0813
BT –Consolidation
RT Overburden
Overconsolidation
Preconsolidation
Preloading
–Settlement (structural)
–Soils
–Subsidence
Unconsolidated soils

Underdeveloped countries
USE Developing countries

Underdrains 0808.1
BT –Drainage
–Drains
–Subsurface drains
RT Dewatering
–Disposal
Drainage systems
Drain spacing
Drain tiles
–Filters
–Fluid filters
Horizontal drains
Sand filters
Tile drains
Weepholes

Under-employment 0509
BT –Employment
RT Employment opportunities

Underflow 0808.1
BT –Groundwater
–Subsurface waters
–Water
RT –Aquifers
Cutoff trenches
Cutoff walls
Density currents
Downstream
Groundwater basins
–Movement
Percolation
Permeability
Underground streams
–Water yield

Underground 1407
RT Cisterns
–Drilling
Hydraulic mining
–Mining
Root zone
Submergence
–Subsurface drainage
Subsurface investigations
Subsurface irrigation
Subsurface mapping
–Subsurface waters
–Tunnels
Underground explosions
Underground openings
Underground powerplants
Underground storage
Underground streams
–Underground structures
–Wells

Underground cables 0901.1
BT –Electric cables
RT Buried cables
Dielectrics
Electrical insulation
–Electric conductors
–Electric current
–Electric potential
Power cables
Submarine cables
–Transmission (electrical)
Underground transmission lines

Underground corrosion 1113
BT –Corrosion
RT Anaerobic soils
–Corrosion control
Corrosion currents
Corrosion environments
Soil resistivity
Stray current corrosion
Underwater corrosion

Underground explosions 1315
BT –Blasts
–Explosions
RT –Blasting
Explosive construction
–Explosive excavation
–Microseisms
–Mining
Nuclear excavation
Nuclear explosions
Rapid excavation
Seismic tests
–Seismic waves
Shock waves
–Tunnel construction
Underground

Underground flow
USE Groundwater flow

Underground openings 0807
RT Caves
Cavities
–Drift
Fissures
Karst
–Mines
Shafts (mining)
Stopes
Subsurface investigations
–Tunnels
Underground
Underground powerplants
Underground streams
–Underground structures
–Wells

Underground powerplants 1313.5
BT –Engineering structures
–Industrial plants
–Powerplants
–Structures
RT –Electric power
–Electric powerplants
Hydroelectric powerplants
Penstocks
Powerhouses
Relief vaults
–Rock bolts
Rock excavation
Roof bolts
Steel linings
–Tunnel construction
Tunnel pressures
–Tunnels
Underground
Underground openings
–Underground structures
–Water tunnels (conveyance)

Underground reservoirs
USE Underground storage

Underground storage 0808.1
UF Underground reservoirs
BT –Storage
RT –Aquifers
Buried structures
Evaporation control
Oil reservoirs
Storage tanks
Strip aquifers
Underground
–Underground structures
Usable storage

Underground streams 0808.1
BT –Bodies of water
–Streams
RT Artesian aquifers
Artesian water
–Bodies of water
Confined water
Groundwater basins
Groundwater potential
–Hydrogeology
Karst
Percolating water
–Subsurface drainage
–Subsurface waters
Underflow
Underground
Underground openings
Water sources
–Waterways

Underground structures 1313.5
BT –Structures
NT Adits
Diversion tunnels
Pressure tunnels
Railroad tunnels
–Tunnels
Unlined tunnels
Vehicular tunnels
–Water tunnels (conveyance)
RT Buried irrigation systems
–Buried pipes
Buried structures
Manholes
Powerhouses
–Rock bolts
Rock excavation
Rock mechanics
Roof bolts
Shelters
Steel linings
–Tunnel construction
Tunnel design
Tunnel pressures
Underground
Underground openings
Underground powerplants
Underground storage

Underground transmission lines
0901.1
BT –Transmission lines
RT Buried cables
Dielectrics
Electrical insulation
–Electric conductors
–Electric current
–Electric potential
Submarine cables
–Transmission (electrical)
Underground cables

Underground water
USE Groundwater

Underground water storage 0808.1
BT –Storage
RT –Aquifers
Dead storage
Evaporation control
–Groundwater
Groundwater recharge
Recharge wells
–Reservoirs
Usable storage

Underseepage 0808.1
UF Piping (seepage)
BT –Seepage
RT –Curtains
Curtain walls
Cutoffs
Cutoff trenches
Cutoff walls
Dam design
Dam foundations
–Dams
Dikes
–Earth dams
–Flow
Flow nets
Groundwater flow
Groundwater movement
–Leakage
Levees
Percolation
Permeability
Piping (erosion)
Relief wells
Reservoir leakage
Seepage losses
Toe drains
–Water loss

Understocked
USE Stocking

Underwater 1407
RT Aquatic soils
–Benthos
Caissons
Drowned (submerged)
Periphyton
Submarines
–Submerged plants
Swimming
–Underwater excavation

Underwater acoustics 2001
UF Acoustics (underwater)
Underwater sound
BT –Acoustics
RT –Acoustic equipment
Mechanical waves
Sonar
Sound
–Sound waves
Wave propagation

Underwater construction 1315
BT –Construction
RT Caissons
Cuts
Moistureproofing
Scuba diving
Submarine pipelines
Tremie concrete
–Tunnel construction
Tunneling machines
–Underwater excavation
Underwater explosions
Underwater foundations

Underwater corrosion 1113
BT –Corrosion
RT Atmospheric corrosion
–Corrosion control
Corrosion environments
Sea water corrosion
Underground corrosion

Underwater excavation 1315
BT –Excavation
NT Dredging
RT –Construction
Dredges
–Earthworks
–Excavators
Harbors
Hydraulic excavation
Hydraulic fills
Submarine cables
Submarine pipelines
Underwater
Underwater construction
Underwater explosions
Underwater foundations

Underwater explosions 1904
BT –Blasts
–Explosions
RT –Blasting
Detonation
Explosive construction
–Explosive excavation
Harbors
Nuclear explosions
Rapid excavation
Shock waves
Underwater construction
–Underwater excavation

Underwater foundations 1313.6
BT –Foundations
RT –Bearing capacity
Bearing values
Bridge piers
Caissons
–Footings
Moistureproofing
Ocean bottom
Pile foundations
Prepacked concrete
Submergence
Tremie concrete
Underwater construction
–Underwater excavation

Underwater sound
USE Underwater acoustics

Underwater television 1702
BT –Television

Underwater television (Con.)
RT –Cameras
Coaxial cables
–Inspection
Power cables
Scuba diving
–Transmitters

Undisturbed samples 0813
BT –Samples
RT Cores
Denison samplers
Disturbed samples
Drive samplers
Field density
Foundation investigations
In place density
Piston samplers
Remolded soil samples
–Samplers
–Sampling
Sediment sampling
Soil investigations
–Soil samplers
–Soil tests
Test specimens
Undisturbed soils

Undisturbed soils 0813
BT –Earth materials
–Materials
–Soils
RT In place density
–In situ tests
Soil maps
Undisturbed samples
Vane shear tests

Undrained shear tests 0813 1402
BT –Shear tests
–Soil tests
–Tests
NT Vane shear tests
RT Cohesion
Drained shear tests
Negative pore pressure
Soil compression tests

Unemployment 0503
BT –Employment
RT Compensation
–Insurance
Welfare (economics)

Unfree water
USE Bound water

Unified soil classifications
USE Soil classifications

Uniform flow 2004
BT –Flow
–Fluid flow
–Movement
RT Chezy equation
Darcy-weisbach equation
Flow patterns
–Fluid dynamics
Fluid friction
Gradually varied flow
Heat transmission
Kutter formula
Laminar flow
Mannings equation
Moody resistance diagrams
Non-uniform flow
Pipe flow
Steady flow
Transient flow

Uniformity coefficient 0813
UF Discharge coefficients
BT –Coefficients
RT Gradation
–Gradation analysis
Grain sizes
Particle size
–Sediments
Sieve analysis
Soil analysis
Soil classifications
–Soil physical properties
Soil texture

Uniform soil moisture conditions
USE Soil moisture

Unit costs 1401
BT –Costs
RT Bids
Comparative costs
Competitive bidding
–Cost analysis
Cost comparisons
Cost savings
Engineering costs
Engineers estimates
Expenditures
Financial analysis
Labor costs
Operating costs
–Prices
Total costs
Variable costs

United states 0806
BT –Geographical regions
RT Federal government

United states government 0504
BT –Governments
RT Federal agencies
Federal budgets
Federal government
Federal project policy
–Federal reservations
Federal-state water rights conflicts
Government employees
Government supports
State governments
State jurisdiction

Unit hydrographs 0808
UF S-hydrographs
Synthetic hydrographs
BT –Hydrographs
RT Hydrograph analysis
River forecasting
Storm runoff
Streamflow forecasting
Surface runoff
Time of concentration

Unit water content
USE Moisture content

Unit weight 1407
BT –Physical properties
–Weight
RT Acceptance tests
–Density
Dry density
In place density
Relative density
Rock density
Specific gravity
Volume
Wet weight

Unit weight (dry)
USE Dry density

Universal joints 1305
BT –Joints (connections)
RT –Drives
Flexible couplings
Mechanical equipment
Power transmission (mechanical)
–Shafts (machinery)

Universities 0509
BT –Schools (education)
RT Allotments
Colleges
–Education
Engineering education
–Facilities
Learning
–Organizations
–Professional personnel
Students
–Training

Unlined canals 1313.1
BT –Canals
–Channels
–Conduits
–Open channels
RT Canal construction
Canal design
Canal embankments
Canal seepage
–Ditches
Earth-lined canals
–Irrigation canals
–Laterals
–Lined canals
Sublaterals

Unlined tunnels 1313.2
BT –Conduits
–Tunnels
–Underground structures
RT Adits
Diversion tunnels
–Drainage
–Drift
Drift mining
Fractures (geology)
Friction coefficient (hydraulic)
–Groundwater
–Grouting
Head losses
–Igneous rocks
Joints (geology)
Overbreak
–Rock bolts
Rock competency
–Roughness
Tunnel hydraulics
Tunneling machines
Tunnel pressures
Tunnel supports
Ventilation
–Water tunnels (conveyance)

Unsaturated 1407
RT –Unsaturated flow
Unsaturated soils

Unsaturated flow 0808.1
BT –Flow
–Movement
NT Capillary action
Percolation
RT Capillarity
Capillary conductivity
–Drainage
Flow patterns
Infiltration
Infiltration rate
Permeability
Soil water movement
–Subsurface drainage
Unsaturated
Unsaturated soils
–Zone of aeration

Unsaturated soils 0813
BT –Earth materials
–Materials
–Soils
RT Moist condition
–Moisture content
Negative pore pressure
Saturated soils
–Soil water
Unsaturated
–Unsaturated flow
–Water content

Unsteady flow 2004
UF Nonsteady flow
BT –Flow
–Fluid flow
–Movement
NT Overland flow
RT Aerodynamics
Flow patterns
–Fluid dynamics
Fluid friction
Groundwater movement
Heat transmission
Laminar flow
Non-uniform flow
Orifice flow
Pipe flow
Resistance networks
Sheet flow
Slug flow
Steady flow
Theis equation
Transient flow
Turbulent flow

Unwatering
USE Dewatering

Uplift (hydrostatic)
USE Uplift pressure

Uplift footings 1313.6
BT –Footings
–Foundations
RT –Anchors
Auger-type footings
Belled anchors
Belled footings
Pressed plate footings
Pull-out tests
Uplift pressure
Uplift resistance
Vertical loads

Uplift pressure 0813
UF Hydraulic uplift
Hydrostatic uplift
Uplift (hydrostatic)
BT –Pressure
RT Buoyancy
Dam design
Dam failure
–Dams
Dam stability
Diversion dams
–Earth pressure
–Expansive clays
–Expansive soils
–Flotation
–Grouting
Grouting pressure
Hydrostatic pressure
–Negative pressure
–Pore pressure
Pore water pressure
Pressure head
Soil pressure
Uplift footings
Uplift resistance
–Water pressure

Uplift resistance 0813
BT –Resistance
RT –Anchors
Belled anchors
Belled footings
Friction piles
Pile extraction
Pile friction
Pile tests
Pressed plate footings
Pull-out tests
–Pull tests
Skin friction
Uplift footings
Uplift pressure
Vertical loads
–Weight

Upper atmosphere 0401
UF Van allen belt
BT –Atmosphere

Upstream 0808
RT Downstream
Headwaters
–Streams

Uracil pesticides 0606
BT –Chemicals
–Organic pesticides
–Pesticides

Uranium radioisotopes 1802
BT –Isotopes
–Radioisotopes
RT Radioactive dating

Urban areas 0511
RT Cities
Community development
–Industries
Municipalities
Municipal wastes
Municipal water
Sewers
Urbanization
Urban renewal
Urban sociology
–Utilities
–Wastes

Urbanization 0511
UF Suburban studies
RT Cities
City planning
Community development
Drainage systems
–Economics
Human population
Land use
Lawns
Municipalities
Public health
–Roads
Sewers
–Sociology

Urbanization (Con.)
Storm drains
Storm runoff
Urban areas
Urban renewal
Urban sociology
–Utilities
Water resources development
–Zoning

Urban planning
USE City planning

Urban renewal 0511 1302
UF Slum clearance
RT Aesthetics
Area redevelopment
City planning
Community development
–Relocation
Urban areas
Urbanization
Urban sociology

Urban sociology 0511
BT –Social aspects
–Social sciences
–Sociology
RT Area redevelopment
City planning
Community development
Rural sociology
Social mobility
Urban areas
Urbanization
Urban renewal

Urea pesticides 0606
UF Substituted urea pesticides
BT –Chemical compounds
–Chemicals
–Nitrogen compounds
–Organic pesticides
–Pesticides
–Ureas
NT Monuron
RT –Herbicides

Ureas 0703
BT –Chemical compounds
–Nitrogen compounds
–Organic compounds
NT Monuron
–Urea pesticides
RT Fertilizers
Urine

Urine 0616
BT –Chemical compounds
–Nitrogen compounds
–Organic compounds
–Wastes
RT Domestic wastes
Farm wastes
–Sewage
–Ureas
Water pollution sources

Usable storage 0808.1 1302.6
BT –Storage
RT –Reservoirs
Underground storage
Underground water storage
–Water levels

Use of water
USE Water utilization

Use rates 0808
BT –Rates
NT Water rates
RT –Recreation
–Water utilization

Usufructuary right 0504.1
RT –Riparian rights

Utah 0806
BT –Geographical regions
–States (geographical)
RT Reclamation states

Utilities 1302
NT Electric utilities
–Public utilities
Sewage treatment plants
Water treatment plants
–Waterworks
RT Cities
Electricity
Electric networks
–Electric power
Electric power industry
–Facilities
–Industrial water
–Industries
Municipalities
Public utility districts
–Rates
River basin development
Sewage districts
Sewers
Urban areas
Urbanization
Water consumption
Water control
Water distribution (applied)
Water rates
–Water utilization

V

Vaccinium macrocarpum
USE Cranberries

Vaccinium species
USE Blueberries

Vacuum 2004
NT –Negative pressure
–Subatmospheric pressure
Vapor pressure
RT Cavitation
Low pressure
–Pressure
–Suction
–Vacuum apparatus
Vacuum breakers
Vacuum concrete
Vacuum drying
Vacuum pumps

Vacuum apparatus 1402
UF Apparatus (vacuum)
Vacuum gages
Vacuum seals
NT Vacuum pumps
RT –Compressors
Laboratory equipment
Low pressure
–Pressure gages
–Pressure measuring instruments
–Pumps
–Subatmospheric pressure
–Test facilities
–Vacuum
Vacuum drying

Vacuum breakers 1313.3
RT Penstocks
–Pipelines
Pumping plants
Siphons
–Subatmospheric pressure
–Vacuum
–Valves
Vents

Vacuum concrete 1303.1
BT –Building materials
–Concretes
–Construction materials
RT –Concrete placing
–Concrete technology
–Vacuum

Vacuum drying 1308
BT –Drying
RT Dehydration
Forced drying
Freeze drying
–Subatmospheric pressure
–Vacuum
–Vacuum apparatus

Vacuum gages
USE Vacuum apparatus

Vacuum pumps 1311
BT –Pumps
–Vacuum apparatus
RT –Compressors
Ejectors
Low pressure
–Negative pressure
–Subatmospheric pressure
–Vacuum

Vacuum seals
USE Vacuum apparatus

Vadose water 0807
UF Argic water
Kremastic water
BT –Soil water
–Subsurface waters
–Water
–Water types
NT Adsorbed water
–Capillary water
Excess water (soils)
Fringe water
Hygroscopic water
RT Gravitational water
–Hydrogeology
–Meteoric water
Percolation
Subsurface flow
–Zone of aeration

Valleys 0806
BT –Land forms
NT Stream valley
RT Canyons
Catchments
–Erosion
Geomorphology
Glaciation
Large watersheds
Mountains
Ravines
–Regions
River basins
–Rivers
–Slopes
Stream channels
–Streams
Structural geology
Terrain
Thalweg
Topography
–Watersheds (basins)
Watersheds (divides)

Value 0503
UF Monetary value
Worth
NT Condemnation value
Market value
Peak values
Property values
Salvage value
Social values
Water values
RT Aesthetics
–Appraisals
Appreciation
Assessments
Attitudes
Crop production
Depreciation
Economic efficiency
Economic life
Economic rent
–Economics
Engineering obsolescence
Equipment costs
Estimating
–Evaluation
Land appraisal
Marginal utility
Monetary benefits
Motivation
Objectives
–Prices
–Pricing
–Productivity
–Psychology
Real property
Value engineering

Value added
USE Appreciation

Value engineering 1401
BT –Engineering
RT –Cost analysis
–Costs
Cost savings
Depreciation
Economic efficiency
–Economics
–Economies
Engineering costs
Engineering economy
Equipment costs
–Evaluation
–Feasibility
Industrial engineering
Labor savings
Management engineering
Optimum design
–Planning
Production planning
–Profit
–Quality control
–Return (monetary)
–Value

Valves 1311
UF Faucets
NT Alfalfa valves
Butterfly valves
Check valves
Flap valves
Gate valves
Globe valves
High pressure valves
Hollow jet valves
–Hydraulic valves
Needle valves
Plug valves
Pressure regulators
Relief valves
Sleeve valves
RT –Closures
Cutoffs
Diversion works
Farm equipment
–Flow
–Flow control
–Gates
–Hydraulic gates
–Hydraulic structures
Locks (waterways)
Plumbing
–Regulation
–Seals (stoppers)
Seats
Sluices
Trickle irrigation
Vacuum breakers
Water hammer

Vanadium 0702
BT –Chemical elements
–Metals
RT –Refractory metals
Superconductors
Vanadium alloys
Vanadium compounds

Vanadium alloys 1106
BT –Alloys
–Metals
RT –Steel
Vanadium

Vanadium compounds 0702 0703
BT –Chemical compounds
RT Vanadium

Vah allen belt
USE Upper atmosphere

Vanes 1307.1
NT Guide vanes
Stay vanes
RT Blades
–Deflectors
Fins
Flow deflectors
–Hydraulic turbines
Impellers
–Pumps
Stators
Vane shear tests

Vane shear tests 1402
BT –In situ tests
–Shear tests
–Soil tests
–Tests
–Undrained shear tests
RT Circumferential stress
Direct shear
Field data
–Field investigations
–Field tests

Vane shear tests (Con.)
–Finegrained soils
Foundation investigations
Laboratory tests
Shear strength
Stress-strain curves
Torsion shear tests
Undisturbed soils
–Vanes

Vapor compression distillation
1302.5
BT –Distillation
–Separation techniques
RT Desalination processes
Thin films

Vaporization 0704
NT Boiling
–Evaporation
RT Ablation
Carburetors
–Desalination
–Distillation
–Heating
Latent heat
–Liquid-gas interfaces
–Liquid-vapor interfaces
Multistage flash distillation
Nuclear desalting
–Separation
–Thermal properties
Transpiration
Vapor pressure
–Vapors
Volatility

Vapor pressure 0704
BT –Physical properties
–Pressure
–Thermal properties
–Vacuum
RT –Atmosphere
Cavitation index
–Evaporation
Humidity
Hydrostatic pressure
–Liquid-gas interfaces
–Liquid-vapor interfaces
Potential evaporation
–Soil physical properties
–Subatmospheric pressure
Sublimation
–Temperature
–Vaporization
Volatility
Water properties
–Water vapor

Vapors 0704
BT –Fluids
–Gases
NT Precipitable water
–Water vapor
RT –Liquid-gas interfaces
–Liquid-vapor interfaces
Smog
Smoke
–Vaporization

Variability 1407
RT Average
–Coefficients
–Consistency
Correlation
Correlation analysis
Eccentricity
Fluctuation
Heterogeneity
Homogeneity
–Periodic variations
–Quality control
–Regression analysis
Reliability
Reproducibility
–Sampling
Standard deviation
–Standards
Statistical quality control
Transients
Water level fluctuations

Variable costs 1401
BT –Costs
RT Fixed costs
Indirect costs
Operating costs
Overhead costs
Unit costs

Variable resistors 0901
UF Rheostats
BT –Resistors
RT –Electrical equipment
–Electronic equipment
Potentiometers
Thermistors

Variable-speed drives 1309
BT –Drives
RT Cams
Clutches (mechanical)
Gears
Mechanical control
Power transmission (mechanical)
Transmissions (mechanical)

Variation coefficients 1201
BT –Coefficients
RT Homogeneity
Standard deviation

Varieties 1407
RT –Crops
Phylogeny
–Plants (botany)
Speciation
–Systematics

Varnishes 1103
BT –Building materials
–Coatings
–Construction materials
–Finishes
RT Enamels
Lacquers
Linseed oil
Painting
–Paints
Primers (coatings)
–Protective coatings
–Resins
–Sealants
Wood preservatives

Varved clays
USE Clays

Varves 0807
BT –Geologic structures
RT Annual
–Beds
–Geologic formations
Lacustrine deposits
–Laminates
Marine clays
Seasonal
–Sedimentation
–Sediment deposits
–Sediments

Vascular plants
USE Plants (botany)

Vascular tissues 0603.1
UF Woody tissues
BT –Plant tissues
NT Bark
Fibers (plant)
Phloem
Tracheids
–Xylem
RT Cellulose
–Lignins
Plant morphology
Plant physiology

Vector analysis 1201
BT –Analysis
–Calculus
–Mathematics
RT –Differential equations
Geometry
–Gradients
Graphical analysis
–Linear algebra
Matrix algebra
–Statistical analysis
Tensor analysis

Vectors (biology) 0613
RT –Diseases
–Insects
–Microorganisms
–Pathology
Public health

Vee-notched weirs 1402
UF Triangular weirs
BT –Weirs
RT Broad-crested weirs
Cipolletti weirs
Discharge measurement
Flow measurement
Rectangular weirs
Sharp crested weirs
Staff gages
Submerged weirs
Vena contracta
Weir crests
Weir gages
Weir ponds

Vegetable crops 0204
UF Truck crops
Vegetables
BT –Crops
–Field crops
–Horticultural crops
–Plants (botany)
NT Asparagus
Beans
Carrots
Lettuce
Onions
Potatoes
Sweet corn
Sweet potatoes
Tomatoes
RT Crop response
Plant groupings

Vegetables
USE Vegetable crops

Vegetal cover 0603.1
NT Nesting cover
Shore-line cover
RT –Forests
–Grasslands
Protective coverings
Ranges
Vegetation
Weed growth

Vegetation 0603.1
UF Plant life
RT Agriculture
–Control
Cropping patterns
Crop production
Crop response
–Crops
Crop yield
–Forests
–Grasslands
Ground cover
–Herbivores
Land resources
Nesting cover
Plant groupings
–Plants (botany)
Potential evapotranspiration
Ranges
–Revegetation
Shore-line cover
Terraces
–Vegetal cover
Vegetation effects
–Vegetation establishment
Vegetation regrowth
Weed growth

Vegetation effects 0606, 0808
UF Ground cover effects
BT –Effects
–Environmental effects
RT Autogenic succession
Bank erosion
Drainage density
Fish and wildlife
Fouling
Infiltration
–Plants (botany)
Rainfall-runoff relationships
Retardance
–Runoff
Sea breezes
Sediment production
Sediment yield
Sheet erosion
Soil surfaces
Surface runoff
Vegetation
–Water yield
Water yield improvement
Weathering
–Weeds
–Wildlife
Wind erosion

Vegetation establishment 0204
UF Immigration (plant)
NT Reforestation
RT Bank protection
Bank stabilization
Canopy
–Ecotypes
–Erosion control
Germination
Highway beautification
–Highways
Invasion
–Land management
Landscaping
Marsh management
Planting management
–Plants (botany)
Range management
–Revegetation
Rhizomes
Roadbanks
–Roads
Seeding
Slope protection
–Slope stability
Slope stabilization
Soil conservation
Soil erosion
Soil surfaces
Spoil banks
Vegetation
Weed growth

Vegetation regrowth 0204
UF Regrowth (vegetation)
Stooling
Suckering
BT –Growth
–Plant growth
RT Clear-cutting
–Cutting management
Forest management
Pasture management
–Plants (botany)
Range management
–Revegetation
Vegetation
–Weed control
Weed growth
–Wildlife management

Vehicles 1306
UF Cars (not automobiles)
Trucks
RT –Aircraft
Automobiles
–Boats
–Motor vehicles
Parking areas
Tires
Towing
Traction
Trafficability
Wrecks

Vehicular tunnels 1313.2
BT –Tunnels
–Underground structures
RT –Excavation
Highway engineering
–Highways
Lighting
Railroad relocation
Railroad tunnels
–Rock bolts
–Tunnel construction
Tunnel design
Tunneling
Tunnel linings
Ventilation

Velocity 1407
UF Speed
NT Critical velocity
High velocity
Seismic velocity
Settling velocity
Wave velocity
Wind velocity
RT –Acceleration (physics)
–Anemometers
Bed movements
Bed ripples
Celerity
Current meters
–Dynamics

Velocity (Con.)
Dynamometers
Energy equation
Energy gradient
Flow measurement
–Flowmeters
–Fluid flow
Friction coefficient (hydraulic)
Kinetic energy
–Kinetics
Momentum equation
Motion
–Movement
Pitot pressures
Pitot spheres
–Pitot tubes
Porous tube piezometers
–Rates
Reynolds number
Rotating meters
Rotation
Spillway capacity
Spillway profiles
Stream gages
Test canals
–Time
Velocity distribution
Velocity head
–Velocity meters
Water hammer

Velocity distribution 2004
RT –Branches
Cavitation
Current meters
–Flow
Flow measurement
–Fluid mechanics
Open channel flow
Penstocks
Pipe flow
–Pitot tubes
River currents
–Velocity
–Velocity meters
–Water measurement

Velocity head 2004
BT –Head (fluid mechanics)
–Pressure
RT Critical velocity
–Energy
Energy equation
Energy gradient
Energy losses
–Fluid flow
–Fluid mechanics
Hydraulic design
Hydraulic gradient
Open channel flow
Pipe flow
Pitot pressures
Pitot spheres
Porous tube piezometers
Specific head
Tee losses
Turbine efficiency
–Velocity

Velocity meters 1402
BT –Equipment
–Instrumentation
–Measuring instruments
–Meters
–Test equipment
NT Current meters
–Flowmeters
Orifice meters
Venturi meters
RT Flow measurement
–Fluid flow
Hot film anemometers
Hot wire anemometers
–Orifices
–Pitot tubes
Propeller meters
Rotating meters
Stream gages
–Velocity
Velocity distribution

Vena contracta 2004
RT Contraction
Jets
Nappe
Orifice flow
Sudden enlargements
Taper
Vee-notched weirs

Venoms 0620
BT –Chemicals
–Poisons
–Toxins
RT Inhibitors
–Toxicity

Ventilation 1301
UF Ventilators
RT Air circulation
Air conditioning
Air filters
Blowers
–Cooling
Cooling systems
Ducts
–Entrances (fluid flow)
–Environmental engineering
Fans
–Mines
Precooling
Refrigeration
–Safety
Shafts (mining)
–Temperature
Temperature control
Unlined tunnels
Vehicular tunnels
Vents

Ventilators
USE Ventilation

Vents 1301
RT Air admission
Air entrainment
Air traps
Cavities
Chimneys
Cooling systems
Diffusers
Ducts
Entrapped air
Louvers
Nozzles
–Outlets
Ports
Relief valves
Vacuum breakers
Ventilation

Venturi flumes 1402
BT –Flumes
NT Parshall flumes
RT –Concrete structures
Contraction
–Discharge (water)
Discharge measurement
Flow measurement
–Flowmeters
Irrigation engineering
–Water measurement
–Weirs

Venturi meters 1402
UF Venturi tubes
BT –Flowmeters
–Instrumentation
–Measuring instruments
–Meters
–Pressure measuring instruments
–Test equipment
–Velocity meters
RT –Closed conduits
Contraction
–Discharge (water)
Discharge measurement
Flow measurement
Orifice meters
Pipe flow
–Pipes
–Pressure gages
Stream gages
–Water measurement
Water meters

Venturi tubes
USE Venturi meters

Vermiculite 0807
BT –Clay minerals
–Minerals
–Silicates
RT –Clays
Cushioning
–Insulation
Lagging
Lightweight aggregates
–Mechanical insulation
Mica
Perlite
–Porous materials

Vermont 0806
BT –Geographical regions
–States (geographical)

Vertical drains 0808.1
BT –Drains
RT Chimney drains
Dam foundations
Drainage wells
–Earth dams
Horizontal drains
–Pore pressure
Sand drains
Sand filters
–Seepage
–Springs (water)
–Subsurface drains
Wellpoints
–Wells

Vertical joints 1305
BT –Construction joints
–Joints (connections)
RT Contraction joints
Dowels
Expansion joints
–Igneous rocks
Joint fillers
Longitudinal joints
Water stops

Vertical loads 2011
BT –Loads (forces)
RT –Axial loads
Columns
Dead loads
Earthquake loads
–Live loads
Load distribution
Pull-out tests
–Structural analysis
–Structural design
Total loads
Uplift footings
Uplift resistance
–Weight

Vertical migration 0606
BT –Migration
RT Depth
Diurnal
–Ecology
Height
Seasonal

Vertical mulching 0204
BT –Land management
–Mulching
RT –Drainage
Infiltration

Verticillium 0613
BT –Fungi
–Microorganisms
–Plants (botany)
RT Pathogenic fungi
–Plant diseases
Soil fungi
–Soil microorganisms

Very high frequency
USE VHF

Vessels 1304
BT –Containers
NT Pressure vessels
RT Autoclaves
Bins
–Disposal
Drums
–Materials handling equipment
Storage tanks
–Tanks (containers)
–Waste disposal

Vetch 0204 0603.1
UF Vicia species
BT –Agronomic crops
–Crops
–Dicots
–Field crops
–Horticultural crops
–Legumes
–Plants (botany)
RT –Forage legumes

VHF 1702
UF Very high frequency
BT –Radio signals
RT Radio communication systems
Radio interference
–Radio waves
–Television

Viability 0616
RT Germination
–Growth
Immature growth stage
–Plant growth
Seeds

Vibration 2011
NT Aeolian vibration
Forced vibration
RT –Acceleration (physics)
–Acoustics
Amplitude
Critical speed
Cyclic loads
Displacements
Dynamic loads
Dynamic response
–Dynamics
Earthquake loads
–Earthquakes
–Elastic waves
Fatigue (materials)
–Frequency
Geophones
Harmonics
Impulses
–Liquefaction
–Mechanical waves
Motion
Natural frequency
Nodes
Oscillations
Oscillators
Pulses
Pumping plants
Repeated loading
Resonance
Seismic design
–Seismic waves
Seismology
Shear waves
Shock (mechanics)
Shock resistance
Shock waves
Soil dynamics
Soil liquefaction
–Sound waves
Springs (mechanical)
Standing waves
Stress waves
Transient stress
Vibration damping
Vibration tables
Vibration tests
–Vibrators (mechanical)
Vibratory compaction
Vibratory pile driving
–Waves

Vibration control
USE Vibration damping

Vibration damping 2011
UF Isolators (vibration)
Vibration control
Vibration isolators
Vibration suppressors
BT –Damping
RT –Acoustics
Aeolian vibration
–Insulation
Noise reduction
Oscillators
Pulsating flow
Shock resistance
Shock waves
Springs (mechanical)
–Stabilization
Structural behavior
–Surges
–Transmission lines
–Vibration
Vibration tests
–Vibrators (mechanical)
Water hammer
Wave suppressors

Vibration isolators
USE Vibration damping

Vibration suppressors
USE Vibration damping

Vibration tables 1402
BT –Equipment
–Machines
–Vibrators (mechanical)
RT –Dynamic tests
Laboratory tests
Seismic tests
–Vibration
Vibration tests

Vibration tests 1402
BT –Dynamic tests
–Materials tests
–Tests
RT Cyclic loads
Fatigue tests
Laboratory tests
Loading tests
Seismic tests
Shock tests
Soil dynamics
–Vibration
Vibration damping
Vibration tables
–Vibrators (mechanical)

Vibrators (mechanical) 1309
BT –Equipment
–Machines
NT Vibration tables
RT –Concrete placing
–Concrete technology
–Dynamic tests
Oscillators
–Vibration
Vibration damping
Vibration tests
Vibratory compaction

Vibratory compaction 1315
BT –Compaction
RT –Compaction equipment
Compaction tests
–Concrete placing
–Concrete technology
–Construction
Dynamic loads
–Dynamic tests
–Earthworks
–Foundations
Laitance
Sheepsfoot rollers
Soil compaction
–Vibration
–Vibrators (mechanical)

Vibratory pile driving 1315
BT –Pile driving
RT –Construction
–Foundations
–Piles (foundations)
Sonic pile driving
–Vibration

Vicia species
USE Vetch

Video
USE Television

Vine crops 0204
(excludes tomatoes and potatoes)
BT –Crops
–Dicots
–Fruit crops
–Horticultural crops
–Plants (botany)
–Stone fruits
NT Melons
Strawberries
RT Brambles
Plant groupings

Vinyl plastics
USE Vinyl resins

Vinyl-resin coatings 1103
BT –Coatings
–Protective coatings
–Synthetic resins
–Vinyl resins
RT –Paints

Vinyl resins 1109
UF Vinyl plastics
BT –Resins
–Synthetic resins
NT Polystyrene
Polyvinyl alcohol
Polyvinyl chloride
–Styrene resins
Vinyl-resin coatings
RT –Elastomers
Plastic pipes
–Thermoplastic resins
–Thermosetting resins

Virginia 0806
BT –Coastal plains
–Geographical regions
–States (geographical)

Viricides 0606
BT –Chemicals
–Pesticides
–Poisons
RT Antibiotics (pesticides)
Plant viruses
–Viruses

Virtual mass
USE Stress analysis

Virtual work
USE Stress analysis

Viruses 0613
BT –Microorganisms
NT Bacteriophage
Plant viruses
RT Aquatic microbiology
–Aquatic microorganisms
Biocontrol
–Biology
–Diseases
Epidemiology
Epiphytology
Epizootiology
Medicine
–Microbiology
Public health
Viricides
Water pollution sources

Viscoelasticity 2012
BT –Mechanical properties
RT Elasticity (mechanical)
Rheology
Viscosity

Viscometers 1402
BT –Measuring instruments
–Meters
–Test equipment
RT Viscosity

Viscosity 2004
UF Fluidity
Viscous yielding
BT –Mechanical properties
–Physical properties
RT –Flow
Flow resistance
–Fluid flow
Fluid friction
–Fluid mechanics
–Fluids
–Friction
Friction coefficient (hydraulic)
Internal friction
Laminar flow
Newtonian flow
Permeability
Reynolds number
Rheology
Settling velocity
Stokes law
–Surface properties
Thixotropy
–Transport phenomena
Turbulent flow
Viscoelasticity
Viscometers
Viscous flow
Wall friction
Water properties

Viscous flow 2004
BT –Flow
–Fluid flow
–Movement
–Transport phenomena
RT Aerodynamics
Flow patterns
Laminar flow
Reynolds number
Viscosity
Wall friction

Viscous yielding
USE Viscosity

Visibility 1407
RT Ceilings (meteorology)
Color
–Fog
Haze
–Light
Light waves
Opacity
–Optical properties
Sensitivity
Smog
Smoke
Symbols
Transmissivity
Vision

Vision 0616
RT Color
Distance
–Light
Visibility

Visual aids 0509
RT –Charts
–Diagrams
Drawings
–Instruction
Learning
–Photographs
Plans
–Training

Visual classifications 0813
BT –Classifications
RT Color
Field classifications
–Field investigations
Foundation investigations
Gradation
Grain shapes
Grain sizes
Odor
Soil analysis
Soil classifications
Soil investigations
Soil physics
Wet condition

Vitamin B 0601
UF Cyanocobalamin
BT –Vitamins
RT Nutrient requirements

Vitamins 0601
NT Vitamin B
RT Biochemistry
–Feeds
Foods
–Metabolism
Nutrient requirements

Vocabularies 0502
RT Acronyms
–Administration
Communication
Dictionaries
Editing
–Indexing
Information systems
Nomenclatures
Semantics
–Technical writing
Thesaurus

Void ratio 0813
BT –Physical properties
–Soil physical properties
–Soil properties
NT Air void ratio
RT Air entrainment
–Density
Dry density
–Moisture content
Pore size
Porosity
Soil density
–Soils
Soil structure
–Soil tests
Specific gravity
Specific surface
–Surface properties
Voids
–Volume change
–Water content
–Weight

Voids 1407
RT Air entrainment
Air void ratio
–Bubbles
Buoyancy
Capillarity
Capillary action
Cavities
Defects
Holidays (coatings)
Infiltration
Interstices
Percolation
Permeability
Pore size
Porosity
–Porous materials
Soil structure
–Void ratio

Volatility 2013
BT –Physical properties
–Thermal properties
RT Boiling
–Evaporation
–Liquid-vapor interfaces
Pesticide drift
Pesticide kinetics
–Stability
–Vaporization
Vapor pressure

Volcanic ash 0807
UF Ash (volcanic)
BT –Earth materials
–Materials
–Soils
RT –Aeolian soils
Cinders
Pozzolans
Pumice
Sedimentary tuff
Soil formation
–Tuff
Volcanoes

Volcanic rocks 0807
UF Hypabyssal rocks
BT –Crystalline rocks
–Igneous rocks
–Rocks
NT Andesite
Basalt
Diabase
Lava
Perlite
Pumice
Rhyolite
–Tuff
RT –Acidic rocks
–Basic rocks
Breccia
–Intermediate rocks
–Plutonic rocks
Sedimentary tuff
Ultrabasic rocks
Volcanoes

Volcanoes 0807
UF Volcanology
BT –Land forms
RT Cinders
Craters
Geomorphology
Juvenile water
Lava
Magma
Mountains
Volcanic ash
–Volcanic rocks

Volcanology
USE Volcanoes

Voltage
USE Electric potential

Voltage dividers 0905
NT Autotransformers
Potentiometers
RT Electric reactors
–Resistors
Shunt resistors

Voltage regulation 0903
BT —Regulation
RT —Control
Electric power distribution
Electric switches
—Power transformers
Remote control
Transmission loss
Voltage regulators

Voltage regulators 0905
BT —Control equipment
—Electrical equipment
—Equipment
RT —Electric power production
—Electric switches
Phase control
Power system stability
—Power transformers
Substations (electrical)
Switching circuits
Switchyards (electrical)
—Transformers
Voltage regulation

Voltmeters 1402
BT —Equipment
—Instrumentation
—Measuring instruments
—Meters
—Test equipment
RT Ammeters
—Electrical equipment
—Electric potential
Galvanometers
Ohmmeters
Potentiometers

Volume 1407
RT Area
Areal
Bulk
Bulking
Bulk modulus
Dilatation
—Dimensions
Geometry
Lake morphometry
Mass
—Shape
—Size
Specific weight
Unit weight
—Volume change
Volumetric meters
—Weight

Volume change 1407
NT Dilatation
Dilation
RT Bulk modulus
—Compaction
—Compression
—Consolidation
—Expansion
—Expansive clays
—Expansive forces
—Expansive soils
Frost heaving
—Heaving
Porosity
—Shrinkage
—Strain
—Stress
Swelling
—Temperature
Temperature rise
—Void ratio
Volume

Volumetric analysis 0704
BT —Analysis
—Analytical techniques
—Chemical analysis
RT Gravimetric analysis
Polarographic analysis
—Spectroscopy

Volumetric meters 1402
BT —Equipment
—Instrumentation
—Measuring instruments
—Meters
—Test equipment
RT Volume
Water meters

Vortex tubes 1402
UF Hilsch tubes
BT —Closed conduits
—Conduits
—Tubes
RT Compressed air
—Cooling
—Heating

Vortices 2004
RT Cavitation
Eddies
—Entrances (fluid flow)
Entrapped air
—Flow
—Fluid flow
—Hydraulics
Jet diffusion
Mixing length
Rotation
Rotational flow
Turbulence
Wakes

Vulnerability 1407
RT —Durability
Dynamic stability
Life expectancy
—Penetration
Reliability
—Stability

W

Wading birds 0603.2
BT —Animals
—Aquatic life
—Birds
—Non-game birds
—Water birds
—Wildlife
RT Animal groupings
—Aquatic animals
Bird types

Wages 0503
RT —Benefits
Budgeting
Compensation
—Contracts
—Costs
Earnings
Economic rent
Employee relations
—Employment
Engineering costs
Labor
Labor costs
Labor supply
Labor unions
—Payment
—Personnel
Salaries
Working conditions

Wakes 2004
RT Aerodynamics
—Bubbles
Cavitation
Converging flow
—Drag
Flow around objects
Jets
Turbulence
Vortices
Wave generation

Walleye 0603.2
UF Stizostedion vitreum vitreum
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Freshwater fish
—Perches
—Wildlife
RT Sport fish

Wall friction 2004
BT —Friction
—Mechanical properties
RT —Drag
External friction
Fluid friction
—Fluid mechanics
Friction coefficient (hydraulic)
Friction coefficient (mechanical)
Reynolds number
—Surface properties
Viscosity
Viscous flow
—Walls

Walls 1313.5
NT Crib walls
Curtain walls
Cutoff walls
Fire walls
Groins (structures)
Guide walls
Headwalls
—Retaining walls
Sea walls
Training walls
RT Anchored bulkheads
—Barriers
Bins
Brick masonry
—Buildings
—Bulkheads
Cribbing
External friction
—Footings
—Foundations
Horizontal loads
Panels
Residences
Rubble masonry
Sheathing
Sheeting
Small structures
Studs
Transverse joints
Wall friction

Warehouses 1313.4
BT —Engineering structures
RT Architecture
—Buildings
Materials handling
—Storage
—Structural design
—Supply

Warfare (biological)
USE Biological warfare

Warfare (chemical)
USE Chemical warfare

Warm springs 0808.1
BT —Bodies of water
—Running waters
—Springs (water)
—Thermal springs
RT —Geothermal studies
Geysers
—Hot springs
—Hydrogeology
Mineral water
Thermal water

Warm-water fish 0603.2
RT Animal groupings
Fish types
—Freshwater fish
Lake fisheries
—Pan fish
Stream fisheries

Warm-water fishing 0511
BT —Fishing
RT Bait fishing
—Freshwater fish
Sport fishing
Stream fisheries

Warning systems 1312
UF Flood warning
NT Fire alarm systems
RT —Assay
Bank protection
Buoys
Civil defense
—Detection
—Detectors
Flood control
Flood forecasting
Floodproofing
Flood protection
—Forecasting
—Hazards
Hurricanes
—National defense
River forecasting
—Sensors
Tornadoes
—Water pollution

Washing (panning)
USE Panning

Washington 0806
BT —Geographical regions
—States (geographical)
RT Reclamation states

Wash load
USE Suspended load

Washouts 0808
RT Banks
Bank stability
—Bridges (structures)
—Channels
Cloudbursts
—Dams
—Erosion
Gullies
—Roads
Storm runoff

Waste assimilative capacity 1302.1
RT Aeration
Biochemical oxygen demand
—Biodegradation
Eutrophication
—Nutrients
—Organic matter
—Oxygen
Oxygen sag
Reaeration
Self-purification
—Surface waters
—Wastes
—Waste treatment

Waste dilution 1302.1
UF Dilution (wastes)
BT —Dilution
—Waste disposal
RT —Discharge (water)
—Disposal
—Flow augmentation
—Flow control
Low flow
Low-flow augmentation
Mixing length
Reservoir storage
Sanitary engineering
Sewage disposal
—Streamflow
Toxic waste disposal
—Wastes
—Waste treatment
—Water levels
Water pollution treatment
—Water quality
—Water utilization

Waste disposal 1302.1
BT —Disposal
NT Brine disposal
Radioactive waste disposal
Sewage disposal
Sludge disposal
Toxic waste disposal
Ultimate disposal
Waste dilution
RT Anaerobic digestion
Artificial use
Cesspools
—Containers
—Desalination
Disposal wells
—Earthfill
—Environmental engineering
Farm lagoons
Farm wastes
Garbage dumps
Groundwater quality
Injection wells
—Lagoons (ponds)
Landfills
Mining engineering
Municipal wastes
Non-consumptive use
Reasonable use
Recreation wastes
Refuse disposal

Waste disposal (Con.)
–Regulations
–Riparian rights
Sanitary engineering
Sanitation
Septic tanks
–Settling basins
Sewage lagoons
–Storage
Stream pollution
Sumps
–Vessels
–Waste dumps
–Wastes
Waste stabilization ponds
Waste storage
–Waste treatment
Waste water use
Water consumption
–Water pollution

Waste dumps 1302.1
NT Garbage dumps
RT Burning
–Mine wastes
–Mining
–Solid wastes
–Tunnel construction
–Waste disposal

Waste heat 2013
BT –Energy
–Heat
RT –Demineralization
–Desalination
Heat transfer
Thermal pollution

Waste identification 1402
RT –Analytical techniques
–Biological properties
–Wastes
Water pollution sources

Wastes 14
UF Refuse
NT Animal wastes (wildlife)
Chemical wastes
Coal mine wastes
Domestic wastes
Farm wastes
Garbage
–Industrial wastes
Liquid wastes
–Mine wastes
Municipal wastes
Oil wastes
–Organic wastes
Pulp wastes
Radioactive wastes
Recreation wastes
–Sewage
Sewage sludge
–Solid wastes
Strip mine wastes
Sulfite liquors
Urine
Waste water
Wood wastes
RT Acid mine water
–Borings
Byproducts
–Contamination
Corrosion environments
Effervescence
–Effluents
Environmental sanitation
–Farms
Impurities
Incineration
–Industrial waste treatment
Inflow
–Leakage
–Organic matter
Pollutants
Sanitary engineering
–Settling basins
Sewage disposal
Sewage effluents
–Sewage treatment
Sewers
Slags
–Sludge
–Solutes
Stream pollution
Urban areas
Waste assimilative capacity
Waste dilution
–Waste disposal
Waste identification
–Waste treatment
Waste water (pollution)
–Waste water disposal
Waste water treatment
–Water pollution
Water pollution sources

Waste stabilization ponds 1302.1
BT –Bodies of water
–Ponds
–Standing waters
RT –Algae
–Bacteria
Denitrification
Dissolved oxygen
–Industrial wastes
–Microorganisms
Nitrification
Nitrogen
–Organic compounds
Oxidation
Sanitary engineering
Sewage lagoons
–Sewage treatment
–Waste disposal
–Waste treatment

Waste storage 1302.1
UF Lagooning
BT –Storage
RT Sludge disposal
Ultimate disposal
–Waste disposal

Waste treatment 1302.1
BT –Treatment
NT Activated sludge
–Industrial waste treatment
–Sewage treatment
Sludge treatment
Solids contact process
Tertiary treatment
Waste water treatment
RT Aerobic treatment
Anaerobic digestion
Foam separation
–Membrane processes
Neutralization
Organic loading
Permselective membranes
Radioactive waste disposal
Reaeration
–Separation techniques
Septic tanks
–Settling basins
Sewage treatment plants
Soil disposal fields
Sulfite liquors
Toxic waste disposal
Treatment facilities
Trickling filters
Ultimate disposal
Waste assimilative capacity
Waste dilution
–Waste disposal
–Wastes
Waste stabilization ponds
Water pollution treatment

Waste water 0808
BT –Wastes
–Water
RT Drainage systems
Drainage water
–Effluents
Excess water (soils)
Floodwater
–Industrial wastes
–Irrigation
–Mine water
Recirculating irrigation system
–Sewage
Sewage treatment plants
Surface runoff
Waste water (pollution)
–Waste water disposal
Waste water treatment
–Water pollution
Water recirculation
–Water reuse

Waste water (drainage)
USE Drainage water

Waste water (irrigation)
USE Return flow

Waste water (pollution) 1302.1
BT –Water types
RT –Acidic water
Acid mine water
Activated carbon
Effervescence
–Effluents
Environmental sanitation
Farm lagoons
Heated water
–Industrial wastes
–Industrial water
–Irrigation
–Mine water
–Recharge
Reclaimed water
Sanitary engineering
–Sewage
Sewage effluents
–Wastes
Waste water
–Waste water disposal
Waste water treatment
–Water pollution
–Water reuse
Water sources

Waste water disposal 1302.1
BT –Disposal
NT Brine disposal
RT –Artificial recharge
Cesspools
Disposal wells
Effervescence
–Effluents
Injection wells
Sewage disposal
Sewage effluents
Sewage treatment plants
–Wastes
Waste water
Waste water (pollution)
Waste water treatment

Waste water reclamation
USE Water reuse

Waste water treatment 1302.1
BT –Treatment
–Waste treatment
–Water treatment
RT Aeration
Coagulation
–Distillation
Environmental sanitation
Filtration
Foam fractionation
Hydrogenation
–Industrial wastes
Municipal wastes
Oxidation lagoons
Permselective membranes
–Sewage treatment
Sewage treatment plants
Solids contact process
Tertiary treatment
–Wastes
Waste water
Waste water (pollution)
–Waste water disposal
Waste water use
Water pollution treatment
Water treatment plants

Waste water use 0808
BT –Reclamation
–Water reuse
RT –Irrigation
Sanitary engineering
–Sewage treatment
–Waste disposal
Waste water treatment
–Water pollution
–Water quality
Water recirculation
–Water reuse
Water supply
–Water treatment

Wasteways 1313.1
BT –Engineering structures
–Hydraulic structures
RT Appurtenances
Chutes
Diversion structures
Floodways
Overflow
–Spillways

Water 0702
Use of a more specific term is recommended
BT –Fluids
NT Acid mine water
Adsorbed water
Artesian water
Boiler feed water
Brackish water
Brines
–Capillary water
Confined water
Connate water
Cooling water
Excess water (soils)
–Feed water
–Fresh water
Fringe water
Gravitational water
–Groundwater
Heavy water
Hygroscopic water
–Industrial water
–Irrigation water
Juvenile water
–Lakes
–Melt water
–Mine water
Municipal water
Perched water
Percolating water
–Phreatic water
Potable water
Reclaimed water
–Reservoirs
Return flow
–Rivers
Saline groundwater
–Saline water
Sea water
Snowmelt
–Soil water
Supplemental water
–Surface waters
Underflow
–Vadose water
Waste water
RT –Bodies of water
Cavitation
Corrosion environments
Estuaries
Farm ponds
–Floods
–Flow
Groundwater hydrology
Groundwater potential
Gulfs
Headworks
Humidity
Hydraulic engineering
–Hydraulics
–Hydrodynamics
Hydrography
Hydrolysis
Hydrostatics
–Ice
–Lagoons (ponds)
–Lakes
Lubricants
–Moisture
–Moisture content
Mud-water interfaces
Oceans
–Oxides
–Ponds
–Precipitation (atmospheric)
–Reservoirs
–Rivers
Slush
–Solvents
–Springs (water)
Stream channels
–Streams
–Tides
Water analysis
Water balance
–Water chemistry
Water collection systems
Water conservation
Water consumption
–Water content
Water control
Water conveyance
Water costs
Water delivery
Water demand
Water distribution (applied)
–Water law
–Water management (applied)
–Water measurement
–Water policy

Water (Con.)
–Water pollution
–Water pressure
Water properties
–Water quality
Water requirements
–Water resources
Water sampling
Water sources
–Water storage
Water supply
–Water table
–Water treatment
–Water types
–Waves
–Waves (water)

Water-air interfaces
USE Air-water interfaces

Water allocation (applied)
USE Water distribution (applied)

Water allocation (policy) 0504.1
UF Water distribution (policy)
BT –Allocations
–Policies
RT –Administration
Administrative agencies
Competing uses
–Distribution
Distribution patterns
Domestic water
Equitable apportionment
Groundwater depletion
Hydraulic mining water
–Industrial water
–Irrigation practices
Irrigation programs
–Legal aspects
Litigation
Low-flow augmentation
–Planning
Preferences (water rights)
–Recreation
–Reservoir operation
Stock water
Water contracts
Water control
Water demand
–Water policy
–Water pollution
Water requirements
Water resources development
–Water reuse
–Water rights
Water salvage
Water supply
–Water utilization
Water zoning
–Wildlife conservation

Water analysis 1402
BT –Analysis
–Chemical analysis
–Chemistry
–Water chemistry
RT –Aquatic life
Aquatic productivity
Aqueous solutions
Bioassay
Biochemical oxygen demand
Bioindicators
Chemical oxygen demand
Color
Color reactions
–Dissolved gases
Dissolved oxygen
Dissolved solids
Gas chromatography
Groundwater quality
Laboratory tests
–Limnology
Mineral content
Oxygen content
Pesticide residues
Qualitative analysis
–Quantitative analysis
Trace elements
–Water
–Water pollution
Water properties
–Water purification
–Water quality
Water quality standards
–Water reuse
Water sampling
Water structure
–Water treatment

Water application rate 0203.1
RT Capillarity
–Evapotranspiration
Infiltration
–Irrigation
Irrigation efficiency
–Irrigation practices
–Irrigation systems
–Moisture content
Percolation
Root zone
–Surface irrigation
Water requirements
–Wetting front

Water appropriation
USE Appropriation (water rights)

Water balance 0616 0808
UF Balance (water)
RT –Animal physiology
–Discharge (water)
Equilibrium
–Evaporation
–Flow
Hydrologic budget
Hydrologic cycle
Inflow
Plant physiology
–Precipitation (atmospheric)
–Runoff
Sweat
–Water
Water budget
–Water storage

Water-bearing formations
USE Aquifers

Water beetles 0603.2
BT –Animals
–Aquatic animals
–Aquatic insects
–Aquatic life
–Insects
–Invertebrates

Water birds 0603.2
UF Aquatic birds
BT –Animals
–Aquatic life
–Birds
–Non-game birds
–Wildlife
NT Gulls
Wading birds
RT Animal groupings
–Aquatic animals
Bird types
–Migratory birds
Non-migratory birds
Shore birds
–Waterfowl

Water bloom
USE Eutrophication

Water bodies
USE Bodies of water

Water-borne sealants 1101
BT –Sealants
RT Canal sealants
–Seals (stoppers)

Water budget 0808
BT –Budgets
RT –Evaporation
Hydrologic budget
Inflow
Outflows
–Precipitation (atmospheric)
Water balance

Water-cement ratio 1303.1
RT Concrete mixes
–Concrete placing
–Concrete technology
–Durability
–Portland cements
Slump
–Water content
Water-reducing agents
Workability

Water chemistry 0808
BT –Chemistry
NT Water analysis
RT –Adsorption
Aqueous solutions
Chemical potential
–Chemical reactions
–Desalination
–Geochemistry
–Limnology
pH
Saline water systems
Solvation
Trace elements
–Water
–Water pollution
Water properties
–Water quality
Water softening
Water structure

Water circulation 0808
BT –Circulation
–Movement
NT Ocean circulation
–Ocean currents
RT Aeration
Convection
–Currents (water)
–Cycles
Eddies
–Hydraulics
Hydrologic cycle
Meromixis
–Movement
–Pumping
Reaeration
Seiches
–Surges
Thermal stratification
Turbulence
Turnovers
–Waves
–Waves (water)

Water clarification
USE Water purification

Water collection systems 1313.1
UF Collection systems (water)
RT –Dams
Diversion structures
–Drains
Hydraulic engineering
–Hydraulic structures
Interbasin water transfers
Surface runoff
–Surface waters
–Water
–Watersheds (basins)
Water sources

Water column seperation 1311
RT Cavitation
Pipe flow
Pressure head
–Pumping
–Subatmospheric pressure
–Surges
Water hammer

Water conditioning
USE Water treatment

Water conservation 0808.2
BT –Conservation
–Resource conservation
RT Brush control
–Cutting management
Evaporation control
Evapotranspiration control
Fallowing
Farm ponds
Fish conservation
Forest management
Grassed waterways
Groundwater depletion
Groundwater management
–Hydrology
–Land forming
Large watersheds
–Mulching
Range management
Reservoir evaporation
River basins
Rotation
–Runoff
Snow management
Soil conservation
Soil-water-plant relationships
Spreading basins
Stubble mulching
Transpiration control
–Water
Water demand
Water harvesting
–Water management (applied)
–Water policy
–Water pollution
Water recirculation
–Water resources
Water resources development
Watershed management
–Watersheds (basins)
Water shortage
–Water storage
Water supply
–Water treatment
–Water utilization
Water yield improvement
Well regulations
–Wildlife conservation

Water consumption 0808
(excludes consumptive use)
BT –Consumption
RT Appliances
Competing uses
Demand (irrigation systems)
–Depletion
Domestic water
–Industrial water
Multiple purpose reservoirs
Municipal water
Non-consumptive use
–Seepage
Stock water
–Utilities
–Waste disposal
–Water
Water distribution (applied)
–Water loss
–Water utilization

Water consumption (plants)
USE Consumptive use (water)

Water content 0704
NT Liquid water content
RT Humidity
Moist condition
–Moisture
–Moisture content
–Moisture meters
Moisture sensors
Neutral stress
Nuclear moisture meters
Optimum moisture content
Psychrometrics
Rapid compaction control
Relative consistency
–Soil moisture
Soil shrinkage
Subsurface moisture
Unsaturated soils
–Void ratio
–Water
Water-cement ratio
–Water vapor
Wet condition

Water contracts 0504.1
RT Irrigation districts
Water allocation (policy)
–Water rights

Water control 1302
BT –Control
RT –Canals
Control structures
–Conveyance structures
–Dams
Developed waters
Diversion dams
Diversion tunnels
Diversion works
Drainage systems
–Erosion control
Evaporation control
Flood routing
Floodways
–Flow control
–Gaging stations
–Hydraulic structures
–Irrigation systems
Levees
–Outlet works
–Pipelines
–Reservoir operation
–River regulation
River training
–Routing

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Water control (Con.)
Seepage control
–Spillways
Streamflow regulation
–Utilities
–Water
Water allocation (policy)
Water distribution (applied)
–Water management (applied)
–Water resources management
–Waterworks

Water conveyance 1313.1
UF Conveyance (water)
RT Aqueducts
Buried irrigation systems
–Canals
–Channels
–Conduits
–Conveyance structures
–Ditches
–Flumes
Friction coefficient (hydraulic)
Grassed waterways
–Hydraulic structures
Interbasin water transfers
–Irrigation canals
–Pipelines
–Pipes
–Pumps
Siphons
Tailrace
–Tunnels
–Water
Water delivery
Water distribution (applied)
–Water loss
Water pipes
Water plans
Water supply
Water transfer
–Water tunnels (conveyance)
–Water utilization
–Waterworks

Water cooling 1301
(cooling via water)
BT –Cooling
RT Air conditioning
Coolants
Cooling systems
Cooling towers
–Electric generators
–Freezing
Heat exchangers
Refrigeration
Supercooling

Water costs 0503 1401
BT –Costs
RT –Demineralization
–Desalination
–Fresh water
–Groundwater
–Industrial water
Irrigation districts
–Irrigation water
Municipal water
Potable water
Reimbursable costs
Repayment contracts
–Reservoir operation
–Water
Water distribution (applied)
Water plans
Water pricing
Water rates
Water sources
Water supply

Watercourses (legal) 0504.1
NT Artificial watercourses
Developed waters
Ephemeral streams
Intermittent streams
Natural streams
Perennial streams
RT High water mark
Low water mark

Water currents
USE Currents (water)

Water delivery 0203.1 1313.1
RT –Irrigation
Irrigation districts
Irrigation efficiency
Irrigation operation & maintenance
–Irrigation practices
–Pumping
Rates of application
–Water
Water conveyance
Water distribution (applied)
–Water loss
Water metering
Water supply

Water demand 0203.1
BT –Demand
RT –Administration
–Economics
–Industrial water
–Irrigation water
Recreation demand
–Requirements
–Social aspects
–Water
Water allocation (policy)
Water conservation
Water distribution (applied)
–Water management (applied)
–Water policy
Water pricing
Water requirements
–Water reuse
Water salvage
Water shortage
Water supply
Water users
–Water utilization

Water desalting
USE Desalination

Water development
USE Water resources development

Water distribution (applied) 1302.1
UF Water allocation (applied)
BT –Distribution
RT Buried irrigation systems
Distribution patterns
–Distribution systems
Flood control
–Flow
Flow profiles
–Irrigation
Irrigation ditches
Irrigation operation & maintenance
–Irrigation practices
–Irrigation systems
–Laterals
–Pipelines
Pressure conduits
–Public utilities
–Pumps
Rates of application
–Reservoir operation
Siphons
Standpipes
Turnouts
–Utilities
–Water
Water consumption
Water control
Water conveyance
Water costs
Water delivery
Water demand
–Water management (applied)
Water meters
Water requirements
Water shortage
–Water storage
Water supply
–Water table
–Water tanks
–Water treatment
–Water tunnels (conveyance)
–Water utilization
–Waterworks

Water distribution (policy)
USE Water allocation (policy)

Water districts 0501
RT –Governments

Water duty
USE Duty of water

Water-earth interfaces
USE Earth-water interfaces

Water equivalent 0808
RT Depth
Snowfall
Snowmelt
Snowpacks

Waterfalls 0808
UF Falls
RT –Flow
Graded
Scenery

Water farming
USE Fish farming

Water filters 1311
UF Filtration (water)
Water filtration
RT Aeration
Filtration
Sand filters
Sanitary engineering
–Sedimentation
–Water purification
–Water quality
–Water treatment

Water filtration
USE Water filters

Waterfleas 0603.2
UF Leptodora kindtii
BT –Animals
–Aquatic animals
–Aquatic life
–Crustaceans
–Invertebrates
–Plankton
–Zooplankton
NT Daphnia

Water flooding (oil recovery)
USE Flooding

Water flux 1407
RT –Density
Mass transfer

Waterfowl 0603.2
BT –Animals
–Aquatic life
–Birds
–Wildlife
NT American widgeon
Barrows goldeneye duck
Black brant
Black duck
Blue goose
Blue-winged teal
Brant
Bufflehead duck
Canada goose
Canvasback duck
Coastal diving ducks
Common eider duck
Common goldeneye duck
Common merganser duck
Common teal
–Ducks (wild)
Emperor goose
European widgeon
Fulvous tree duck
Gadwall duck
–Geese (wild)
Greater scaup duck
Green-winged teal
Lesser scaup duck
Mallard duck
Mexican duck
Mottled ducks
Oldsquaw duck
Pintail ducks
Puddleducks
Redhead duck
Ring-necked duck
Ruddy duck
Shoveler duck
Snow goose
Stellers eider duck
White-fronted goose
White-winged scoter
Wood duck
RT Animal groupings
Bird types
Fish and wildlife
Game birds
Hunting
–Migratory birds
Non-migratory birds
Shore birds
–Water birds

Water gaps 0807
RT Geomorphology
Mountains
–Streams

Water hammer 2004
RT Air chambers
–Closed conduits
–Fluid dynamics
–Gates
High head
Hydraulic transients
Hydrodynamic pressure
–Hydrodynamics
Pipe flow
–Pipelines
–Pipes
–Pressure
Pulsating flow
Seiches
–Surges
Transients
–Valves
–Velocity
Vibration damping
Water column separation
–Water tunnels (conveyance)
Water tunnels (testing)
–Waves
–Waves (water)

Water harvesting 0808
BT –Harvesting
RT Cisterns
Paving
Rainfall-runoff relationships
Rain water
–Runoff
Stock water
Water conservation
–Water yield
Water yield improvement

Water holes 0808
RT Groundwater potential
–Ponds
–Springs (water)

Water horizons
USE Aquifers

Water hyacinth 0603.1
UF Hyacinth (water)
BT –Aquatic life
–Aquatic plants
–Aquatic weeds
–Crops
–Dicots
–Floating plants
–Floating weeds
–Horticultural crops
–Plants (botany)

Water-ice interfaces
USE Ice-water interfaces

Water injection
USE Injection

Water injury 1407
RT Catch crops
Crop response
–Environmental effects
–Floods
Irrigation effects
Saturated soils
–Wetlands

Water intakes
USE Intakes

Water law 0504.1
NT Law of the sea
Natural flow doctrine
RT Administrative decisions
Boundary disputes
–Civil law
Developed waters
Equitable apportionment
–Governments
Interstate compacts
Judicial decisions
Laws
–Legal aspects
Legislation
Litigation

Water law (Con.)
–Prior appropriation
Public rights
–Riparian rights
–Treaties
–Water
Water permits
–Water policy
Water resources development
–Water rights
Water transfer

Water level fluctuations 0808
RT –Drawdown
Fluctuation
Groundwater depletion
Groundwater movement
Groundwater recharge
High water mark
Low flow
Low water mark
–Pumping
Reservoir evaporation
Reservoir leakage
–Reservoir operation
Stilling wells
Tidal effects
Variability
–Water levels
–Water loss
–Water measurement

Water levels 0808
UF Stages (water)
NT Potentiometric level
RT Area capacity curves
Backwater
Bank storage
Base flow
Dead storage
Depth recorders
–Drawdown
Drops (structures)
Fetch
Floats
–Flow augmentation
Fluctuation
–Gages
–Gaging stations
Hook gages
Hydraulic gradient
Hydraulic pressure
Hydroelectric powerplants
–Hydrographs
Low flow
–Measurement
Overflow
Overtopping
Perched water table
–Piezometers
Power head
Pressure head
–Reservoirs
–Saline water intrusion
Sea level
Spillway crests
Stage-discharge relations
Stilling wells
Stream gages
–Streams
–Surfaces
Tailwater
Usable storage
Waste dilution
Water level fluctuations
–Water table
–Water wells

Waterlogged areas
USE Waterlogged land

Waterlogged land 0808.1
UF Waterlogged areas
RT –Alkaline soils
–Bogs
–Clays
Closed basins
–Drainage
Impervious soils
Irrigation effects
–Marshes
Marsh plants
Saturated soils
–Swamps

Waterlogged soils
USE Saturated soils

Water loss 0808
BT –Losses
NT Riparian water loss
RT Canal seepage
Caves
–Channels
Consumptive use (water)
Demand (irrigation systems)
Depression storage
Diversion losses
Diversion loss returns
–Drying
–Evaporation
–Evapotranspiration
Fractures (geology)
Hydrologic cycle
Infiltration
Influent streams
Interception
–Irrigation water
Joints (geology)
–Leakage
Moisture deficit
Percolation tests
–Phreatophytes
Precipitation excess
Reservoir evaporation
Reservoir leakage
Return flow
–Runoff
–Seepage
Seepage losses
Sinkholes
Transpiration
Underseepage
Water consumption
Water conveyance
Water delivery
Water level fluctuations
Water seals
Water shortage
–Water utilization
–Water yield
Water yield improvement
Wilting

Water mains
USE Conduits

Water management (administrative)
USE Administration

Water management (applied) 1302
BT –Management
NT –Artificial recharge
Flood routing
Groundwater management
Induced infiltration
–Routing
Snow management
Watershed management
Water spreading
RT Adoption of practices
Automatic control
Chiselling
Conjunctive use
Control systems
Demand (irrigation systems)
Diversion
–Drainage
Drainage engineering
Drainage practices
Drainage programs
Drainage systems
–Drawdown
–Erosion control
Evaporation control
Fallowing
Flood control
–Flow augmentation
–Flow control
–Groundwater
Groundwater mining
Groundwater recharge
–Groundwater sources
–Irrigation
Irrigation districts
Irrigation engineering
Irrigation operation & maintenance
–Irrigation practices
Irrigation programs
–Land management
–Mulching
Non-structural alternatives
Remote control
Reservoir capacity
–Reservoir operation
Reservoir storage
Spreading basins
Stubble mulching
Terracing
–Water
Water conservation
Water control
Water demand
Water distribution (applied)
Water pollution control
Water pricing
Water quality control
–Water resources
Water supply
–Water utilization
–Weather modification

Water measurement 1402
BT –Measurement
NT California pipe method
Chemical dilution method
Gibson method
Miners inch
Salt velocity method
RT Cipolletti weirs
Current meters
Float wells
Flow measurement
–Flumes
–Gages
–Hydraulics
–Hydrologic instruments
–Hydrometeorological station
–Instrumentation
–Measuring instruments
–Metering
–Orifices
Parshall flumes
–Pitot tubes
Propeller meters
Stilling wells
Stream gages
Stream gaging station
Velocity distribution
–Venturi flumes
Venturi meters
–Water
Water level fluctuations
Water metering
Water meters
–Weirs
Well yield

Watermelon
USE Melons

Water metering 1402
BT –Metering
RT Flow measurement
–Flowmeters
–Hydrologic instruments
–Instrumentation
Water delivery
–Water measurement
Water meters

Water meters 1402
BT –Equipment
–Flowmeters
–Hydrologic instruments
–Instrumentation
–Measuring instruments
–Meters
–Test equipment
RT Flow measurement
Orifice meters
Rotating meters
Stream gages
Trickle irrigation
Venturi meters
Volumetric meters
Water distribution (applied)
–Water measurement
Water metering

Water microbiology
USE Aquatic microbiology

Water of crystallization 0704
RT Crystallization
Dehydration
Hydrates
Water of hydration

Water of hydration 0704
RT Crystallization
Dehydration
Hydrates
Hydration
Water of crystallization

Water permits 0501 0503
BT –Licenses
–Permits
RT –Irrigation
–Water law
–Water utilization
Well permits

Water pipes 1311
BT –Hydraulic structures
–Pipes
RT Asbestos-cement pipes
Cast-in-place pipes
Cast iron pipe
–Closed conduit flow
–Closed conduits
Concrete pipes
–Pipelines
Pipe linings
Plastic pipes
Water conveyance

Water plans 0808.2
RT Aqueducts
–Canals
–Conveyance structures
Diversion
Export
Import
Interbasin water transfers
International compacts
Interstate compacts
Interstate rivers
–Planning
–Policies
Project planning
–Rivers
–States (geographical)
Water conveyance
Water costs
–Water resources
–Water rights
Water shortage
Water supply
Water transfer

Water-plant-soil relationships
USE Soil-water-plant relationships

Water policy 0501
BT –Policies
NT Irrigation programs
RT –Administration
Competing uses
–Cost allocation
Cost repayment
Cost sharing
–Electric power
Federal project policy
Fish management
Flood control
–Governments
–Industrial water
Institutional constraints
–Institutions
Interstate
–Irrigation
–Irrigation water
Multiple purpose projects
Municipal water
Navigation
Non-structural alternatives
Project planning
Project purposes
–Recreation
–Water
Water allocation (policy)
Water conservation
Water demand
–Water law
–Water resources
Water resources development
Water supply
–Water utilization
Water zoning
Wild rivers

Water pollution 1302.2
UF Contamination (water)
Nuisance (water law)
Pollution (water)
NT Stream pollution
Thermal pollution
RT Acid streams
–Aquatic environment
Aquatic microbiology
Artificial use
Biochemical oxygen demand
Brackish water

USE = Use preferred term; UF = Used for; BT = Broader term; NT = Narrower term; RT = Related term

Water pollution (Con.)
Chemical oxygen demand
Condemnation
–Contamination
–Dilution
–Diseases
Dispersion
–Disposal
Dystrophy
–Environmental engineering
Environmental sanitation
Epidemiology
Epizootiology
Groundwater quality
–Human diseases
Impaired water quality
–Industrial wastes
–Industrial waste treatment
–Limnology
Malenclaves
Microenvironment
Morbidity
Mortality
Multiple purpose projects
Non-consumptive use
–Organic wastes
Path of pollutants
Pollutant identification
Pollutants
Pollution abatement
–Pollution control
Public health
Radioactive wastes
Reasonable use
–Riparian rights
Sanitary engineering
Self-purification
–Sewage
Sewage disposal
–Sewage treatment
Sewage treatment plants
Soil contamination effects
–Standards
–Toxins
Treatment facilities
–Warning systems
–Waste disposal
–Wastes
Waste water
Waste water (pollution)
Waste water use
–Water
Water allocation (policy)
Water analysis
–Water chemistry
Water conservation
Water pollution effects
Water pollution treatment
–Water quality
–Water resources
Water supply
–Water treatment
–Water utilization

Water pollution abatement
USE Pollution abatement

Water pollution control 1302.2
BT –Control
–Pollution control
RT –Abatement
Non-structural alternatives
Pollutants
Pollution abatement
–Water management (applied)
Water pollution treatment
Water quality control
Water quality standards
Water recirculation
–Water resources management
–Water treatment
Water treatment plants

Water pollution effects 1302.2
BT –Effects
RT Acidity
Aesthetics
Color
–Diseases
Epidemics
Epidemiology
Eutrophication
Fishkill
Fouling
Morbidity
Mortality
Odor
Oxygen sag
Phytotoxicity
Pollutants
Radioactivity effects
Stagnant water
Stream pollution
Taste
–Toxicity
Turbidity
–Water pollution
Water properties
–Water quality

Water pollution sources 1302.2
RT Acid mine water
–Agricultural chemicals
Algal poisoning
Animal wastes (wildlife)
–Aquatic algae
–Aquatic bacteria
–Aquatic fungi
–Aquatic insects
–Aquatic microorganisms
Bacteriophage
Bioassay
Biological warfare
Brackish water
Canneries
Chemcontrol
Chemical warfare
Coal mine wastes
Cooling water
–Decomposing organic matter
Detergents
Domestic wastes
Effervescence
–Effluents
Fallout
Fertilizers
Fuels
Gasoline
Groundwater quality
Heated water
–Heavy metals
–Industrial wastes
Mine acids
–Mine wastes
–Mine water
Municipal wastes
Nematodes
–Nitrates
Odor-producing algae
Oil wastes
Oily water
–Organic wastes
Pesticide residues
Phenols
–Plants (botany)
Pollutant identification
Pollutants
Protozoa
Pulp wastes
Radioactive wastes
–Radioisotopes
Red tide
Return flow
–Saline water
–Saline water intrusion
Saw mills
Sea nettles
–Sewage
Sewage bacteria
Sewage effluents
–Ships
–Silts
Strip mine wastes
Sulfite liquors
–Surfactants
Taste-producing algae
Textiles
Urine
–Viruses
Waste identification
–Wastes

Water pollution treatment 1302.2
UF Decontamination (water)
BT –Treatment
–Water treatment
RT –Abatement
Aeration
Application equipment
–Biodegradation
Brackish water
Coagulation
Filtration
Foam fractionation
Froth flotation
Hydrogenation
Oily water
Permselective membranes
Pesticide removal
Pollutants
–Sewage treatment
Stream improvement
Waste dilution
–Waste treatment
Waste water treatment
–Water pollution
Water pollution control
–Water purification
Water treatment plants

Water power
USE Hydroelectric power

Water pressure 2004
BT –Pressure
NT Hydrostatic pressure
RT Artesian aquifers
Artesian water
Artesian wells
Cavitation index
Horizontal loads
Hydraulic excavation
Hydraulic gradient
Hydraulic pressure
Hydrostatics
Pressure head
Pressure tests
Uplift pressure
–Water

Water pricing 0503
RT –Costs
–Economics
–Irrigation practices
Water costs
Water demand
–Water management (applied)
–Water resources
–Water reuse
Water supply
–Water utilization

Waterproofing 1308
RT Asphalt membranes
Caulking
–Coatings
* Impervious blankets
Impervious linings
Impervious membranes
–Linings
Moistureproofing
Preservation
–Protective coatings
–Sealants
Seal coat
Soil sealants
–Surfacing
Water seals
Watertight
Weatherproofing

Water properties 1407
(properties of water)
UF Nature of water
BT –Properties
RT Acidity
–Adsorption
Alkalinity
–Aquatic environment
Aqueous solutions
Biochemical oxygen demand
–Biological properties
Capillary action
Chemical oxygen demand
–Chemical properties
Chemical stratification
Color
Compressibility
–Conductivity
Density stratification
Dystrophy
Electrolytes
Eutrophication
–Evaporation
Hardness (water)
Hydraulic properties
Hydrogen bonding
–Hydrographs
–Hydrologic properties
Hydrometry
Hydrostatic pressure
Immiscibility
–Limnology
–Mechanical properties
Nansen bottles
–Nutrients
Oligotrophy
–Organic matter
–Organoleptic properties
Oxidation-reduction potential
–Oxygen
pH
–Physical properties
–Radioisotopes
Rigidity
Salinity
Surface tension
Taste
Thermal conductivity
Trace elements
Turbidity
Turbulence
Vapor pressure
Viscosity
–Water
Water analysis
–Water chemistry
Water pollution effects
–Water quality
Water structure
–Water types
Wettability

Water pumping
USE Pumping

Water purification 1302.1
UF Purification (water)
Water clarification
BT –Treatment
–Water treatment
NT Self-purification
RT –Abatement
Activated carbon
Aeration
Biological treatment
Centrifugation
Chlorination
Coagulation
–Demineralization
–Desalination
–Dialysis
Diatomaceous earth
Disinfection
–Distillation
Effluent reuse
Electrochemistry
Environmental sanitation
Filtration
Fluoridation
Foam fractionation
Froth flotation
Hydrogenation
Impaired water quality
–Ion exchange
Oxygenation
Pesticide removal
Potable water
Public health
–Settling basins
–Toxins
Water analysis
Water filters
Water pollution treatment
–Water quality
Water softening
Water spreading
Water treatment plants

Water quality 1302.1 1302.2
BT –Chemical properties
NT Impaired water quality
RT Aquatic microbiology
Aquifer characteristics
Biochemical oxygen demand
Bioindicators
Boiler feed water
Brackish water
Calefaction
Chemical oxygen demand
Color
Color reactions
–Desalination
Domestic water
Dystrophy
Epilimnion
Eutrophication
–Flow augmentation
Groundwater quality
Hardness (water)
–Industrial water
–Irrigation water
Leaching
–Limnology
Mineral content
–Nitrates
–Nutrients

Water quality (Con.)
Odor
Odor-producing algae
Oligotrophy
–Organoleptic properties
Oxygen content
–Oxygen demand
Pesticide residues
Potable water
Public health
Radioactivity
Reaeration
Reclaimed water
–Recreation
Salinity
Salt balance
–Standards
Stream pollution
Taste
Taste-producing algae
Turbidity
Waste dilution
Waste water use
–Water
Water analysis
–Water chemistry
Water filters
–Water pollution
Water pollution effects
Water properties
–Water purification
Water quality control
Water quality standards
–Water resources
Water sampling
Water softening
Water sources
Water supply systems
Water temperature
–Water treatment

Water quality control 1302.1 1302.2
BT –Control
–Quality control
RT –Abatement
Aeration
–Flow augmentation
Groundwater quality
Impaired water quality
Multilevel outlets
Non-structural alternatives
Reservoir capacity
Reservoir storage
–Water management (applied)
Water pollution control
–Water quality
Water quality standards
–Water resources management
–Water treatment
Water treatment plants

Water quality standards 1302.2
BT –Standards
RT Federal jurisdiction
–Legal aspects
Legislation
State jurisdiction
Water analysis
Water pollution control
–Water quality
Water quality control

Water rates 0503
BT –Rates
–Use rates
RT –Costs
Parity prices
Parity ratios
–Prices
–Pricing
–Utilities
Water costs
Water supply
Water users
–Water utilization
Water values
–Waterworks

Water recirculation 1302
UF Recirculation (water)
RT –Circulation
Cooling towers
Feed pumps
–Feed water
–Industrial waste treatment
–Industrial water
Recirculating irrigation system
Reclaimed water
Waste water
Waste water use
Water conservation
Water pollution control
–Water reuse
–Water treatment

Water reclamation
USE Water reuse

Water-reducing agents 1303.1
BT –Additives
–Chemicals
–Concrete additives
RT –Admixtures
Concrete mixes
–Concrete placing
–Concretes
–Concrete technology
–Dispersants
Water-cement ratio

Water release
USE Discharge (water)

Water renovation
USE Water reuse

Water requirements 0203.1 0808.2
UF Irrigation water requirements
Moisture requirements
BT –Requirements
RT Agriculture
Consumptive use (water)
Crop production
Cytological studies
Degree days
Demand (irrigation systems)
–Digestion
Duty of water
–Economics
Excess water (soils)
Farm units
Fertilization
Irrigable land
–Irrigation
–Irrigation canals
Irrigation efficiency
–Irrigation practices
Land development
Lysimeters
Moisture stress
Moisture uptake
–Plant growth
Respiration
Specifications
–Surface irrigation
–Water
Water allocation (policy)
Water application rate
Water demand
Water distribution (applied)
Water resources development
Water supply
–Water utilization

Water resources 0808.2
BT –Natural resources
–Resources
NT Hydroelectric resources
RT Allotments
–Civil engineering
–Groundwater
–Hydrologic aspects
Hydrologic cycle
–Hydrology
–Lakes
Land resources
–Phreatic water
–Ponds
–Precipitation (atmospheric)
River basin development
–Rivers
–Streams
–Subsurface waters
–Surface waters
–Water
Water conservation
–Water management (applied)
Water plans
–Water policy
–Water pollution
Water pricing
–Water quality
Water resources development
Water supply
–Water supply forecasting
–Water treatment
Water treatment plants
–Water utilization
–Waterways

Water resources development
1302
UF Water development
BT –Resource development
RT –Administration
Area redevelopment
Cities
Conjunctive use
–Conservation
Economic growth
Federal government
Flood plain zoning
–Governments
Hydroelectric resources
–Institutions
Interbasin water transfers
Interstate
Interstate commissions
Laws
Legislation
Local governments
Multiple purpose projects
–Natural resources
Non-structural alternatives
Optimum development plans
Overdraft
–Planning
Political aspects
Project purposes
–Resource conservation
–Resources
River basin development
–Social aspects
State governments
Urbanization
Water allocation (policy)
Water conservation
–Water law
–Water policy
Water requirements
–Water resources
Water supply
Water supply systems
–Water utilization

Water resources management
0808.2
BT –Management
NT Clear-cutting
Groundwater management
Marsh management
Snow management
Watershed management
RT Automatic control
Control systems
–Drainage
Drainage engineering
Drainage practices
Drainage programs
Drainage systems
–Erosion control
Evaporation control
Flood control
Flood routing
–Flow control
–Groundwater
Groundwater mining
Groundwater recharge
–Groundwater sources
–Irrigation
Irrigation engineering
Irrigation operation & maintenance
–Irrigation practices
Remote control
–Reservoir operation
Water control
Water pollution control
Water quality control
–Weather modification

Water resources planning
USE Planning

Water reuse 1302
UF Reclamation (waste water)
Reclamation (water)
Waste water reclamation
Water reclamation
Water renovation
BT –Reclamation
NT Waste water use
RT –Artificial recharge
Diversion loss returns
Drainage water
Effluent reuse
–Industrial water
–Industries
–Irrigation practices
–Irrigation systems
–Irrigation water
–Recharge
Recirculated water
Reclaimed water
Return flow
Salvage value
–Sewage treatment
Tertiary treatment
Waste water
Waste water (pollution)
Waste water use
Water allocation (policy)
Water analysis
Water demand
Water pricing
Water recirculation
Water salvage
–Water utilization

Water rights 0504.1
UF Irrigation laws
NT Adjudication procedure
Appropriation (water rights)
Natural flow doctrine
Preferences (water rights)
Prescriptive rights
–Prior appropriation
Pueblo water rights
–Riparian rights
RT Administrative agencies
Boundary disputes
Competing uses
Equitable apportionment
Federal jurisdiction
Federal-state water rights conflicts
Irrigated land
–Irrigation
–Irrigation water
–Jurisdiction
Land tenure
–Legal aspects
Legislation
Litigation
Non-structural alternatives
Overlying proprietor
Regulated flow
Relative rights
Reservation doctrine
State jurisdiction
–Streamflow
Water allocation (policy)
Water contracts
–Water law
Water plans
Water supply
Water transfer
–Water utilization
Withdrawn lands

Water salvage 1302
BT –Salvage
RT –Artificial recharge
Groundwater recharge
–Irrigation practices
–Irrigation water
Recirculated water
Recirculating irrigation system
Reclaimed water
–Reclamation
Return flow
–Sewage treatment
Tertiary treatment
Water allocation (policy)
Water demand
–Water reuse
–Water utilization

Water samplers
USE Water sampling

Water sampling 1402
UF Water samplers
BT –Sampling
RT –Field investigations
Groundwater quality
–Samplers
–Water
Water analysis
–Water quality
Water softening
–Water treatment

Water seals 1101
BT –Seals (stoppers)
RT –Asphalt cement

USE = Use preferred term; UF = Used for; BT = Broader term; NT = Narrower term; RT = Related term.

Water seals (Con.)
–Asphalts
Flexible linings
Gaskets
Gate seals
Joint fillers
–Leakage
–Linings
Moistureproofing
–Sealants
Sealing compounds
–Water loss
Waterproofing
Water stops

Watershed management 0501
UF Watershed protection
BT –Management
–Water management (applied)
–Water resources management
RT Clear-cutting
–Control
–Corn belt
Cultivated lands
–Cutting management
–Erosion control
Farm ponds
Flood control
Flood plain regulation
Flood plain studies
Forest management
Grassed waterways
Habitat improvement
–Land management
River basin development
Sediment yield
–Soil management
Surface runoff
Water conservation
–Watersheds (basins)
Water spreading
–Water storage
Water supply
–Water utilization
–Water yield
Water yield improvement
Water zoning
–Weed control
–Wildlife management

Watershed protection
USE Watershed management

Watersheds (basins) 0808
BT –Regions
NT Agricultural watersheds
Demonstration watersheds
Large watersheds
River basins
Small watersheds
RT Acreage
Alpine
–Basins
Catchments
Closed basins
–Drainage
Drainage basins
Flood control
Flood estimate
Flood forecasting
Flood frequency
Flood hydrology
Flood plain regulation
Flood plain studies
–Floods
Flood stages
Forestry
Groundwater basins
Groundwater hydrology
Headwaters
–Hydrographs
–Hydrology
Hypsometric analysis
Interfluves
Lake basins
Land use
Multiple purpose projects
Overland flow
Peak runoff
–Post-impoundment
Pre-impoundment
–Rainfall
Rational formula
–Rivers
River systems
–Runoff
Runoff coefficient
Sediment yield
Stream drainage patterns
–Streamflow
Streamflow regulation
–Streams
Surface runoff
–Surface waters
Time of concentration
–Valleys
Water collection systems
Water conservation
Watershed management
Watersheds (divides)
Water sources
Water supply
–Water table
–Waterways
–Water yield

Watersheds (divides) 0806
UF Drainage divides
Natural drainage divides
RT Drainage basins
Drainage systems
–Hydrology
Interfluves
Mountains
Ranges
–Riparian rights
–Rivers
–Runoff
–Valleys
–Watersheds (basins)

Water shortage 0808
RT Droughts
Hydrologic budget
Low flow
Moisture deficit
–Reservoir operation
Water conservation
Water demand
Water distribution (applied)
–Water loss
Water plans
–Water storage
Water supply
–Water utilization
–Weather modification

Water skiing 0511
BT –Recreation
–Water sports
RT Skiing

Water softeners
USE Water softening

Water softening 1302.1
UF Water softeners
BT –Treatment
–Water treatment
RT –Demineralization
–Desalination
Detergents
Hardness (water)
Impaired water quality
–Ion exchange
Nuclear desalting
Scaling
Soaps
–Water chemistry
–Water purification
–Water quality
Water sampling
Water treatment plants
–Water utilization

Water-soil-plant relationships
USE Soil-water-plant relationships

Water sources 0808
RT –Aquifers
Artesian aquifers
Artesian wells
–Bodies of water
–Clouds
Cloud seeding
Connate water
–Demineralization
–Desalination
Drainage systems
Farm ponds
Glaciers
–Groundwater
Groundwater basins
Groundwater potential
Groundwater quality
Groundwater recharge
–Groundwater sources
Hydrologic cycle
–Hydrology
–Ice
Injection wells
–Irrigation systems
–Irrigation water
Juvenile water
Oceans
Perched water
–Precipitation (atmospheric)
–Prior appropriation
Rain
Reclaimed water
–Reservoirs
Return flow
–Riparian rights
–Runoff
–Seepage
Snowmelt
Spring waters
–Streams
Surface runoff
–Surface waters
Underground streams
Waste water (pollution)
–Water
Water collection systems
Water costs
–Water quality
–Watersheds (basins)
–Water types
–Water wells
–Weather modification

Water sports 0511
BT –Recreation
NT Boating
Sport fishing
Surf-boarding
Surf-casting
Swimming
Water skiing
RT –Fishing
Fishing gear
Hunting
Marinas
Scuba diving

Water spreading 0203.1 0808.1
UF Spreading
BT –Water management (applied)
RT Arid lands
–Artificial recharge
–Ditches
Diversion
Diversion structures
–Flooding
Flood irrigation
Flood protection
–Flow control
Furrow systems
Infiltration
Irrigation effects
–Irrigation practices
Pit recharge
Ponding
Spreading basins
Surface drainage
–Water purification
Watershed management

Water stage recorders 1403
BT –Instrumentation
RT Floats
Float wells
Flood hydrology
–Gaging stations
Hydrologic data
–Hydrologic instruments
Liquid level gages
Open channel flow
–River flow
Stilling wells
Stream gaging station
–Water wells

Water stops 1101
RT –Asphalts
–Construction joints
Flexible linings
Gaskets
Horizontal joints
Joint fillers
–Linings
Longitudinal joints
–Plugs
–Sealants
Sealing compounds
Transverse joints
Vertical joints
Water seals

Water storage 1302.6
BT –Storage
NT Bank storage
Dead storage
Depression storage
Pumped storage
Reservoir storage
Soil water storage
RT Antecedent precipitation
Aquifer characteristics
Cisterns
Conjunctive use
Contour farming
–Dams
Droughts
Drought tolerance
Farm ponds
Flood routing
–Groundwater
–Hydraulic structures
Hydrologic budget
Hydrologic equation
–Hydrology
Large watersheds
Pondage
Ponding
Porosity
Pumping plants
Queueing theory
–Recharge
Retention
–Routing
–Seepage
Specific retention
Specific yield
Stock ponds
Storage capacity
Storage coefficient
Storage tanks
Surface-groundwater relationships
Surplus water
–Water
Water balance
Water conservation
Water distribution (applied)
Watershed management
Water shortage
Water supply
–Water tanks
–Xerophytes
–Xylem

Water structure 0702
BT –Structure
RT Hydrogen bonding
Molecular structure
Water analysis
–Water chemistry
Water properties

Water supply 0808 1302.1
BT –Supply
RT Ablation
Civil defense
Conjunctive use
Desalination plants
Diversion dams
Environmental sanitation
–Forecasting
–Groundwater
Hydrologic equation
–Hydrology
–Industrial water
Interbasin water transfers
–Lagoons (ponds)
Low-flow augmentation
Multiple purpose projects
–Natural resources
Overdraft
–Pipelines
–Precipitation (atmospheric)
Pumped storage
–Recharge
Reservoir capacity
–Reservoir operation
Reservoir storage
Reservoir yield
–Resources
River basin development
River forecasting
Sanitary engineering
Snowmelt
–Surface waters
Waste water use
–Water
Water allocation (policy)
Water conservation
Water conveyance
Water costs

Water supply (Con.)
Water delivery
Water demand
Water distribution (applied)
–Water management (applied)
Water plans
–Water policy
–Water pollution
Water pricing
Water rates
Water requirements
–Water resources
Water resources development
–Water rights
Watershed management
–Watersheds (basins)
Water shortage
–Water storage
–Water table
–Water treatment
–Water utilization
–Water wells
–Waterworks
–Water yield
–Weather modification

Water supply forecasting 0808
BT –Forecasting
NT River forecasting
Runoff forecasting
Streamflow forecasting
RT Estimating
–Evaporation
–Evapotranspiration
Flood forecasting
–Groundwater
–Groundwater sources
–Hydrology
–Meteorology
–Precipitation (atmospheric)
–Rainfall
–Runoff
–Snow
Snow cover
Snowfall
Snow gages
Snow management
Snowmelt
Snowpacks
Snow samplers
Snow surveys
Surface runoff
–Water resources
Weather forecasting

Water supply systems 1302.1
RT Aqueducts
–Civil engineering
–Dams
Desalination plants
–Distribution systems
–Groundwater
–Hydrology
Multiple purpose projects
–Pipelines
Plumbing
Potable water
Pumped storage
–Reservoir operation
Sanitary engineering
–Water quality
Water resources development
–Water treatment
Water treatment plants
–Water wells

Water surface 0808
RT Backwater profiles
Banks
–Bodies of water
–Canals
–Concrete structures
Control structures
–Dams
–Gaging stations
Hook gages
–Lakes
–Ponds
–Reservoirs
–Rivers
Spillway profiles
–Spillways
–Water surface profiles
Weir crests
Weir gages

Water surface profiles 0808
BT –Profiles
NT Backwater profiles
Drawdown curves
RT Backwater
Control structures
Critical depth
Design flow
Discharge measurement
–Flow control
Hydraulic gradient
Open channel flow
–Rivers
Spillway profiles
–Streamflow
Water surface

Water table 0808.1
NT Perched water table
RT –Aquifers
Bank storage
Barometric efficiency
Base flow
Depth
–Drainage
–Drawdown
–Groundwater
Groundwater basins
Groundwater depletion
Groundwater flow
Groundwater hydrology
Groundwater mounds
–Groundwater sources
Height
–Hydrologic models
Induced infiltration
Influent streams
Large watersheds
–Moisture content
Natural recharge
Observation wells
Perched water
Phreatic lines
–Phreatic water
–Phreatophytes
Piezometry
Potentiometric level
Quicksand
–Recharge
Recharge wells
River basins
Saturated soils
Soil water movement
–Springs (water)
–Streams
Strip aquifers
Subsurface moisture
Tile spacing
Two-part aquifers
–Water
Water distribution (applied)
–Water levels
–Watersheds (basins)
Water supply
–Water wells
–Water yield
Water yield improvement
–Well logging
Wellpoints
–Zone of aeration
Zone of saturation

Water tanks 1313.5
UF Water towers
BT –Containers
–Tanks (containers)
NT Cisterns
RT –Concrete structures
Concrete tanks
–Reservoirs
Standpipes
Water distribution (applied)
–Water storage

Water temperature 0808
BT –Temperature
RT Air temperature
–Aquatic environment
Bathythermographs
Heated water
–Limnology
Microenvironment
Multilevel outlets
Selective level releases
Thermal water
–Water quality

Watertight 1407
RT Caissons
Chemical sealants
Floats
–Grouting
Grouting pressure
Impervious blankets
Impervious linings
Impervious membranes
–Leakage
Permeability
Pontoons
Reservoir leakage
–Sealants
Sealing compounds
Soil sealants
Waterproofing

Water towers
USE Water tanks

Water transfer 0808
BT –Transfer
RT Interbasin water transfers
–Legal aspects
Litigation
Water conveyance
–Water law
Water plans
–Water rights

Water transportation 1505
UF River traffic
River transportation
BT –Transportation
RT Barges
–Canals
–Hydraulic structures
–Ocean currents
Stream channels
–Tunnels
–Waterways

Water treatment 1302.1
UF Hydrotreat
Water conditioning
BT –Treatment
NT Deaeration
–Demineralization
–Desalination
Pre-treatment (water)
Self-purification
Waste water treatment
Water pollution treatment
–Water purification
Water softening
RT Activated carbon
–Adsorption
Aeration
Aerobic treatment
Aesthetics
Cation exchange
Chlorination
Coagulation
–Corrosion control
Demineralizers
–Dialysis
Effluent reuse
Electrokinetic potential
–Environmental engineering
Feeders
–Feed water
Filtration
–Flotation
Fluoridation
–Hydrology
–Industrial water
Insect control
International waters
–Ion exchange
–Membrane processes
Neutralization
Oxygenation
Reclaimed water
Sand filters
Sanitary engineering
Scale prevention
–Sedimentation
Sedimentation tanks
–Separation techniques
–Sewage
Treatment facilities
Waste water use
–Water
Water analysis
Water conservation
Water distribution (applied)
Water filters
–Water pollution
Water pollution control
–Water quality
Water quality control
Water recirculation
–Water resources
Water sampling
Water supply
Water supply systems
Water treatment plants
Zeolites

Water treatment plants 1302.1
BT –Utilities
–Waterworks
RT Activated carbon
Aeration
Aerobic treatment
Aesthetics
Chlorination
Coagulation
Deaeration
–Desalination
–Dialysis
Effervescence
–Effluents
Filtration
Flocculation
Mixing
Oxygenation
Pre-treatment (water)
Public health
Public works
Reclaimed water
–Sedimentation
Self-purification
–Treatment
Treatment facilities
Waste water treatment
Water pollution control
Water pollution treatment
–Water purification
Water quality control
–Water resources
Water softening
Water supply systems
–Water treatment
Zeolites

Water tunnels (conveyance)
1313.2
BT –Conduits
–Engineering structures
–Hydraulic structures
–Tunnels
–Underground structures
NT Diversion tunnels
Pressure tunnels
RT Aqueducts
Concrete linings
–Conveyance structures
Discharge lines
Engineering geology
–Excavation
Flow resistance
Free flow
Friction coefficient (hydraulic)
–Hydraulics
Hydroelectric power
Interbasin water transfers
Mining engineering
–Outlet works
Penstocks
–Rock bolts
Shafts (excavations)
–Spillways
–Tunnel construction
Tunnel design
Tunnel failure
Tunnel hydraulics
Tunneling
Tunneling machines
Tunnel linings
Tunnel plugs
Tunnel pressures
Underground powerplants
Unlined tunnels
Water conveyance
Water distribution (applied)
Water hammer

Water tunnels (testing) 1313.2
BT –Conduits
–Tunnels
RT Cavitation index
Design flow
Flow measurement
Friction coefficient (hydraulic)
Head losses
Hydraulic properties
Hydrostatics
–Piezometers
Tunnel pressures
Water hammer

Water turbines
USE Hydraulic turbines

Water types 0808
Use of a more specific term
is recommended
NT –Acidic water
Adsorbed water
Alkaline water
Bound water
Brines
–Capillary water
Confined water
Connate water
Cooling water
Developed waters
Domestic water
Drainage water
Excess water (soils)
Floodwater
–Fresh water
Fringe water
Gravitational water
Heated water
Heavy water
Hydraulic mining water
Hygroscopic water
Impounded waters
–Industrial water
–Irrigation water
Juvenile water
–Meteoric water
Mineral water
Municipal water
Percolating water
Potable water
Precipitable water
Rain water
Recirculated water
Reclaimed water
–Saline water
Sea water
Snowmelt
–Soil water
Spring waters
Stagnant water
Stock water
–Subsurface waters
Surplus water
Thermal water
–Vadose water
Waste water (pollution)
RT –Aquatic environment
–Bodies of water
–Hydrology
–Ice
Liquids
–Running waters
–Runoff
–Seepage
Shallow water
–Standing waters
Steam
–Surface waters
Sweat
Tidal waters
–Water
Water properties
Water sources
–Water vapor

Water use
USE Water utilization

Water users 0501
BT –Consumers
RT –Industrial water
Irrigation districts
Irrigation operation & maintenance
–Marketing
Repayment contracts
Water demand
Water rates

Water utilization 0808.2 1302
UF Moisture use
Use of water
Water use
NT Competing uses
Natural use
Non-consumptive use
RT Air conditioning
Circulation (plants)
Conjunctive use
–Costs
Crop production
Demand (irrigation systems)
–Depletion
Diversion
Drought tolerance
Duty of water
Evaporation control
Evapotranspiration control
–Fishing
Groundwater mining
Hunting
Hydroelectric powerplants
–Hydrology
–Industrial plants
Irrigation programs
Loans
Low-flow augmentation
–Marketing
Moisture uptake
–Natural resources
Non-structural alternatives
Optimization
Optimum development plans
Overdraft
Performance
–Phreatophytes
Political aspects
Potable water
–Prior appropriation
Project purposes
–Quality control
Reasonable use
Recirculated water
–Recreation
–Riparian rights
Root systems
–Soil moisture
–Soil water
–Standards
Transpiration control
–Use rates
–Utilities
Waste dilution
Water allocation (policy)
Water conservation
Water consumption
Water conveyance
Water demand
Water distribution (applied)
–Water loss
–Water management (applied)
Water permits
–Water policy
–Water pollution
Water pricing
Water rates
Water requirements
–Water resources
Water resources development
–Water reuse
–Water rights
Water salvage
Watershed management
Water shortage
Water softening
Water supply
–Water utilization
Withdrawal
–Zoning

Water values 0503
BT –Value
RT Water rates

Water vapor 0704
BT –Fluids
–Gases
–Moisture
–Vapors
NT Precipitable water
RT –Atmosphere
–Condensation
Humidity
Mist
Steam
Sublimation
Vapor pressure
–Water content
–Water types

Water waves
USE Waves (water)

Waterways 1302
NT Aqueducts
–Canals
–Channels
Concrete-lined canals
–Drains
Estuaries
Floodways
–Flumes
Grassed waterways
–Inland waterways
Inlets (waterways)
Intake channels
Interstate rivers
–Irrigation canals
Natural streams
Navigable rivers
–Non-perennial streams
–Open channels
Perennial streams
–Rivers
Stream channels
–Streams
Tributaries
Wild rivers
RT Barges
Channel design
Channel morphology
Coastal engineering
–Hydraulic structures
–Lakes
–Land forms
Large watersheds
Lock gates
–Navigable waters
Oceans
–Reservoirs
Sluices
Thalweg
–Transportation
Underground streams
–Water resources
–Watersheds (basins)
Water transportation

Waterways (grassed)
USE Grassed waterways

Water weeds
USE Aquatic weeds

Water wells 0808.1
BT –Wells
NT Artesian wells
Drainage wells
Injection wells
Irrigation wells
Recharge wells
RT –Aquifers
Aquifer tests
Artesian aquifers
–Artificial recharge
Barometric efficiency
–Bodies of water
Deep-well pumping
Deep wells
–Depletion
–Drawdown
Drawdown curves
–Groundwater
Groundwater basins
Groundwater depletion
Groundwater mining
–Hydrogeology
Induced infiltration
Infiltration
Land subsidence
Observation wells
Perched water
–Phreatic water
Potentiometric level
Rapid drawdown
–Recharge
Shallow wells
Specific capacity
–Springs (water)
Storage coefficient
Strip aquifers
–Subsurface drainage
Two-part aquifers
–Water levels
Water sources
Water stage recorders
Water supply
Water supply systems
–Water table
–Well logging
Wellpoints
Well spacing

Water wheels 1307.1
BT –Hydraulic equipment
–Wheels
RT Blades
Draft tubes
–Electric power production
–Hydraulic turbines
Hydroelectric power
Tailrace
Turbine blades
Turbine runners
–Turbines
Turbine wheels

Water witching
USE Dowsing

Waterworks 1302.1
BT –Utilities
NT Water treatment plants
RT –Equipment
Hydrants
–Industrial plants
Public works
Sanitary engineering
Water control
Water conveyance
Water distribution (applied)
Water rates
Water supply

Water year 0808
UF Hydrologic year
RT Annual
Seasonal
–Streamflow

Water yield 0808
UF Yield (water)
NT Reservoir yield
RT Clear-cutting
–Cutting management
–Desalination
–Discharge (water)
Forest management
Groundwater basins
Permeability
–Precipitation (atmospheric)
–Rates
–Runoff
Safe yield
Snowpacks
Surface drainage
Underflow
Vegetation effects
Water harvesting
–Water loss
Watershed management
–Watersheds (basins)
Water supply
–Water table
Water yield improvement
Well yield

Water yield improvement 0808
RT Clear-cutting
Evaporation control
Forest management
–Phreatophytes
–Runoff
Safe yield
Snowpacks
Transpiration control
Vegetation effects
Water conservation
Water harvesting
–Water loss
Watershed management
–Water table
–Water yield
–Weed control

Water zoning 0808
BT –Regulations
–Zoning
RT –Administration
Competing uses
Flood plain zoning
Water allocation (policy)
–Water policy
Watershed management

Wattmeters 1402
BT –Equipment
–Instrumentation
–Measuring instruments
–Meters
–Test equipment
RT –Electrical equipment
–Electric power
Electric power costs
Electric power demand
Electric power losses

Wave action 2004
RT Beach erosion
Beaching

Wave action (Con.)
Bores (wave)
Dam facings
Freeboard
—Mechanical waves
Ocean beaches
—Ocean waves
Riprap
Shore protection
Tsunamis
Wave energy
Wave height
Wave run-up
—Waves
—Waves (water)

Wave energy 2004
BT —Energy
RT Amplitude
Dam facings
—Frequency
—Mechanical waves
—Ocean waves
Wave action
Wave height
Wavelength
Wave propagation
—Waves

Waveforms 2014
UF Wave shape
RT Amplitude
—Curves
—Electric current
—Electric potential
Fourier analysis
Graphical analysis
—Mechanical waves
—Noise (sound)
—Ocean waves
Oscillations
—Periodic variations
—Profiles
—Shape
Transients
Wavelength
Wave period
—Waves

Wave generation 2004
RT —Currents (water)
—Disturbances
—Elastic waves
Flow around objects
—Hydraulics
—Mechanical waves
—Ocean waves
Pulsating flow
Surge waves
Tidal effects
Tsunamis
Wakes
Wave height
Wave period
—Waves
Wave tanks
Wave velocity
—Wind (meteorology)

Wave height 2004
RT Amplitude
Dam facings
Fetch
Freeboard
—Mechanical waves
Tsunamis
Wave action
Wave energy
Wave generation
Wave run-up
—Waves
—Waves (water)
Wave suppressors
Wave velocity

Wavelength 2014
RT Amplitude
—Elastic waves
—Electromagnetic waves
—Frequency
Harmonics
Infrared radiation
Interferometers
Longitudinal waves
—Mechanical waves
Microwaves
Nodes
—Radiation
—Radio waves
Wave energy
Waveforms
Wave period
Wave propagation
—Waves
—Waves (water)
Wave velocity

Wave period 2014
RT —Frequency
—Mechanical waves
Standing waves
—Surges
Surge waves
Waveforms
Wave generation
Wavelength
Wave propagation
—Waves
Wave velocity

Wave pile-up 2004
RT —Channels
—Critical flow
Supercritical flow
—Waves
—Waves (water)

Wave propagation 2014
BT —Propagation
RT Amplitude
Attenuation
—Energy transfer
—Frequency
Longitudinal waves
—Mechanical waves
—Radiation
Reflection
Transmissivity
Underwater acoustics
Wave energy
Wavelength
Wave period
—Waves
—Waves (water)
Wave velocity

Wave run-up 2004
RT Beach erosion
—Beaches
Beaching
Breakwaters
—Bulkheads
Freeboard
Ocean beaches
—Ocean waves
Overtopping
Revetments
Riprap
Sea walls
Shore protection
Tsunamis
Wave action
Wave height
—Waves
—Waves (water)

Waves 1407
BT —Periodic variations
NT Bores (wave)
—Elastic waves
—Electromagnetic waves
Flood waves
Gamma rays
Infrared radiation
Light waves
Longitudinal waves
—Mechanical waves
—Microseisms
Microwaves
—Ocean waves
—Radio waves
Roll waves
—Seismic waves
Shear waves
Shock waves
Solitary waves
—Sound waves
Standing waves
Stress waves
Surge waves
Translatory waves
Transverse waves
Tsunamis
Ultraviolet radiation
—Waves (water)
X-rays
RT —Acoustics
Amplitude
Beaching
—Cycles
—Energy
—Energy transfer
Fluctuation
—Frequency
Harmonics
—Islands
Littoral drift
Natural frequency
Nodes
—Noise (sound)
Pulses
Quantum mechanics
—Radiation
Reflection
—Refraction
Resonance
Rip currents
Ripple marks
—Surges
Transients
Turbulence
—Vibration
—Water
—Water circulation
Water hammer
Wave action
Wave energy
Waveforms
Wave generation
Wave height
Wavelength
Wave period
Wave pile-up
Wave propagation
Wave run-up
Wave suppressors
Wave tanks
Wave velocity
Wind tides

Waves (water) 2004
UF Ripples
Water waves
BT —Mechanical waves
—Periodic variations
—Waves
NT Bores (wave)
Flood waves
—Ocean waves
Roll waves
Seiches
Surge waves
—Tides
Tsunamis
RT Beach erosion
Berms
Celerity
—Currents (water)
—Energy
—Erosion
Fetch
Fluctuation
Freeboard
—Frequency
Hydraulic transients
Littoral drift
Longitudinal waves
Pulsating flow
Refraction (water waves)
Rip currents
Ripple marks
Shore protection
Spillway crests
Standing waves
—Surges
Turbulence
—Water
—Water circulation
Water hammer
Wave action
Wave height
Wavelength
Wave pile-up
Wave propagation
Wave run-up
Wave suppressors

Wave *shape*
USE Waveforms

Wave suppressors 2004
RT Baffles
Freeboard
Headwalls
Laminar flow
Pulsating flow
Surge waves
Vibration damping
Wave height
—Waves
—Waves (water)

Wave tanks 1402
BT —Equipment
RT —Hydraulic models
—Test facilities
Wave generation
—Waves

Wave velocity 2014
BT —Velocity
RT —Elastic waves
—Frequency
Longitudinal waves
—Mechanical waves
—Refraction
Wave generation
Wave height
Wavelength
Wave period
Wave propagation
—Waves

Waxes 1107
RT —Coatings
—Finishes
Moistureproofing
Petroleum
—Protective coatings

Wear resistance 1113
BT —Chemical properties
—Durability
—Mechanical properties
NT Abrasion resistance
RT Abrasion
Fatigue (materials)
Fatigue tests
Friction tests
Hardness
Hardness tests
Toughness

Weather 0402
RT —Air masses
Air temperature
Arid climates
Ceilings (meteorology)
Cirrus clouds
Climatic changes
Climatic data
—Climatology
—Clouds
Convection clouds
Cumulonimbus clouds
Cumulus clouds
Cyclones
Freeze-thaw cycle
Humidity
—Meteorology
Rain
—Snow
—Storms
Stratus clouds
Weather data
Weather forecasting
Weathering
—Weather modification
Weather patterns
—Wind (meteorology)

Weather communications 0402
RT Weather data
Weather maps
Weather stations

Weather data 0402
RT Average
Balloons
—Charts
Climatic data
—Climatology
Data collections
—Documentation
—Hydrometeorological station
Isobars
Isohyets
Isotherms
Meteorological data
—Meteorology
Microenvironment
—Precipitation (atmospheric)
Probable maximum precipitation
Radiosondes
Synoptic analysis
—Tables (data)
Weather

USE = Use preferred term; UF = Used for; BT = Broader term; NT = Narrower term; RT = Related term.

Weather data (Con.)
Weather communications
Weather forecasting
Weather maps
Weather patterns
Weather stations

Weather forecasting 0402
BT —Forecasting
RT Annual floods
Balloons
Meteorological radar
Meteorological satellites
—Meteorology
—Precipitation (atmospheric)
Probable maximum precipitation
—Radar
—Satellites (artificial)
Snow surveys
Synoptic analysis
—Water supply forecasting
Weather
Weather data
—Weather modification
Weather patterns

Weathering 1407
RT Abrasion
Aging (physical)
Chalking
Chemical stability
—Corrosion
Corrosion tests
Cracking
—Curing
—Damages
—Degradation
—Degradation (decomposition)
Deterioration
Detrital soils
Detritus
Efflorescence
Eluvium
—Environmental effects
—Environmental tests
—Erosion
Exposure
—Field tests
—Fractures
Fragmentation
Frost action
Frost heaving
—Geochemistry
Geomorphology
Humid areas
Laterites
Leaching
—Mass wasting
Microenvironment
—Precipitation (atmospheric)
Residual soils
Rock alteration
Rockfalls
Rusting
Sedimentary petrology
Soil formation
Soil profiles
Spalling
Vegetation effects
Weather
Wind erosion

Weather maps 0402
BT —Maps
RT —Mapping
Meteorological data
Weather communications
Weather data
Weather stations

Weather modification 0402.1
NT Cloud modification
Cloud seeding
Fog dispersion
Induced precipitation
RT Airborne equipment
Artificial storms
Atmospheric research
—Climatology
Cloud physics
—Conservation
Droughts
Flood control
Frost protection
Ice nuclei
—Legal aspects
Litigation
—Meteorology
Multiple purpose projects
Nuclei generators
Political aspects
—Precipitation (atmospheric)
Probable maximum precipitation
Rain
—Resource conservation
Silver iodide generators
—Storms
—Water management (applied)
—Water resources management
Water shortage
Water sources
Water supply
Weather
Weather forecasting

Weather patterns 0402
RT —Air masses
Anticyclones
Balloons
Cyclones
Depth-area curves
Maximum probable flood
Meteorological radar
—Meteorology
Precipitable water
—Precipitation (atmospheric)
—Profiles
—Radar
Rain
—Storms
Timing
—Tropical cyclones
Weather
Weather data
Weather forecasting

Weatherproofing 1103
RT —Coatings
—Corrosion control
Moistureproofing
Preservation
—Protective coatings
Rust control
—Surfacing
Waterproofing

Weather radar
USE Meteorological radar

Weather stations 0402
BT —Stations
RT —Meteorological instruments
Meteorological satellites
Weather communications
Weather data
Weather maps

Web beams 1313.5
UF Beams (web)
BT —Beams (structural)
—Structural members
RT Columns
—Girders
—Structural design
—Supports

Weber number 0808 2004
RT Dimensional analysis
Surface tension

Wedges 1409
RT Aerodynamics
—Geometric shapes
—Mechanical properties

Weed control 0204 0603
BT —Control
—Pest control
NT Algal control
Aquatic weed control
Brush control
RT Agronomy
Alligatorweed
Antifouling materials
Bank protection
Chaparral
Clear-cutting
—Cultivation
Cultural control
—Cutting management
Farm management
—Flooding
—Flow control
—Herbicides
Horticulture
Mechanical control
Mesquite
—Mulching
—Poisons
Pre-emergents
Rabbitbrush
Range management
Riparian plants
Sagebrush
Sago pondweed
Seepwillow
Stubble mulching
Tamarisk
Test canals
Vegetation regrowth
Watershed management
Water yield improvement
Weed growth
—Weeds

Weed growth 0603.1
BT —Growth
—Plant growth
RT Plant growth regulators
Plant growth substances
Plant populations
—Vegetal cover
Vegetation
—Vegetation establishment
Vegetation regrowth
—Weed control
—Weeds

Weedicides
USE Herbicides

Weeds 0603.1
BT —Plants (botany)
NT Alligatorweed
—Aquatic weeds
—Floating weeds
Halogeton
—Pondweeds
Sago pondweed
Stinging nettles
—Submersed weeds
RT Agronomy
—Aquatic algae
Aquatic weed control
Bermudagrass
—Brush
Ground cover
Invasion
Johnsongrass
—Migration
—Phreatophytes
Plant groupings
Poisonous plants
Riparian plants
Vegetation effects
—Weed control
Weed growth

Weepholes 1302
BT —Drains
RT —Drainage
—Seepage
Underdrains

Weight 1407
BT —Dimensions
—Physical properties
NT Dry weight
Molecular weight
Unit weight
Wet weight
RT —Axial loads
Bulk
Gravimetric analysis
Gravity
Kinetic energy
—Loads (forces)
Mass
Metrology
Minimum weight design
Minimum weight theory
Potential energy
—Pressure
Rock density
Specific gravity
Thickness
Thinness
Total loads
Uplift resistance
Vertical loads
—Void ratio
Volume
Weight loss

Weight loss 1402
BT —Losses
RT Deterioration
—Evaporation
—Weight

Weir boxes
USE Weir ponds

Weir crests 1402
UF Crests (weirs)
RT Broad-crested weirs
Cipolletti weirs
Nappe
Overflow
Rectangular weirs
Sharp crested weirs
Spillway crests
Spillway profiles
Submerged weirs
Vee-notched weirs
Water surface
Weir gages
Weir ponds
—Weirs

Weir gages 1402
BT —Equipment
—Gages
—Hydrologic instruments
—Instrumentation
—Measuring instruments
—Test equipment
RT Rectangular weirs
Spillway profiles
Staff gages
Streamflow regulation
Vee-notched weirs
Water surface
Weir crests
Weir ponds
—Weirs

Weir ponds 1313.1
UF Boxes (weir)
Weir boxes
RT Broad-crested weirs
Cipolletti weirs
Rectangular weirs
Sharp crested weirs
Staff gages
Submerged weirs
Vee-notched weirs
Weir crests
Weir gages
—Weirs

Weirs 1402
NT Broad-crested weirs
Cipolletti weirs
Rectangular weirs
Sharp crested weirs
Submerged weirs
Vee-notched weirs
RT Contraction
—Control
—Dams
—Discharge (water)
Diversion dams
—Flow control
Flow measurement
—Flowmeters
—Flumes
—Gates
—Hydraulic gates
—Hydraulics
Nappe
Ogee crests
Overfalls
Overflow
Overtopping
Spillway crests
—Spillways
Staff gages
Stilling wells
—Streamflow
—Venturi flumes
—Water measurement
Weir crests
Weir gages
Weir ponds

Welded joints 1305
BT —Joints (connections)
RT Butt joints
Circumferential joints
Erection
Fabrication
Fillet welds
Lap joints
Pipe joints
Riveted joints
Spot welding

Welded joints (Con.)
—Steel
—Steel plates
Steel structures
Structural shapes
Structural steel
Thick plates
Thin plates
—Welding
Welding torches
—Welds

Welding 1308
NT Arc welding
Electroslag welding
Spot welding
RT Bonding
Brazing
Collars
—Construction
Erection
Fabrication
Fillet welds
—Fittings
Flanges
Fusion
Hard surfacing
Plate girders
Soldering
Sparks
—Steel
Steel structures
Structural shapes
Structural steel
Thick plates
Thin plates
—Torches
Welded joints
Welding torches

Welding torches 1303
BT —Torches
RT —Electrodes
Fabrication
Welded joints
—Welding

Welds 1305
NT Fillet welds
RT Butt joints
—Joints (connections)
Lap joints
Pipe joints
Riveted joints
Solidification
Welded joints

Welfare (economics) 0503
RT Compensation
—Social aspects
Unemployment

Well casings 0808.1
BT —Casings
RT —Corrosion control
—Drilling
—Drills
—Pipes
Steel pipes
Well filters
—Wells
Well screens

Well filters 0808.1
UF Gravel packs
Packing (well)
Well packing
BT —Filters
—Fluid filters
RT —Corrosion
—Corrosion control
Filtration
—Gravels
Well casings
Wellpoints
—Wells
Well screens

Well logging 0807
BT —Logging (recording)
NT Electrical well logging
Radioactive well logging
RT Borehole geophysics
Drill hole TV cameras
—Drilling
—Electrical logging
—Exploration
Gamma probes
—Geologic investigations
Geophysical logging
—Geophysical prospecting
—Geophysics
Geothermal prospecting
—Geothermal studies
Gravimeters
Magnetometers
—Nuclear probes
Oil wells
Perched water table
Percussion drilling
Permeability
—Permeability tests
Porosity
—Radioactivity techniques
Resistivity surveys
Rock properties
Subsurface investigations
—Water table
—Water wells
—Wells

Well packing
USE Well filters

Well permits 0504.1
BT —Licenses
—Permits
RT —Drilling
—Legal aspects
Percolating water
Subsurface runoff
—Subsurface waters
Water permits
Well regulations
—Wells

Wellpoints 1303
BT —Construction equipment
—Equipment
RT —Construction
Dewatering
—Drainage
Drainage practices
Drainage systems
Drainage wells
—Drains
—Excavation
Jetting
Observation wells
Pump tests
Relief wells
Vertical drains
—Water table
—Water wells
Well filters
—Wells
Well screens
Well spacing
Well yield

Well regulations 0504
BT —Regulations
RT —Casings
—Drilling
Laws
—Legal aspects
Legislation
Percolating water
—Saline water intrusion
Subsurface runoff
—Subsurface waters
Water conservation
Well permits
—Wells
Well spacing

Wells 0808.1 0809
NT Artesian wells
Deep wells
Disposal wells
Drainage wells
Injection wells
Irrigation wells
Observation wells
Oil wells
Recharge wells
Relief wells
Shallow wells
—Water wells
RT Aquifer tests
Artesian aquifers
Boreholes
—Casings
Developed waters
Dewatering
—Drawdown
Drawdown curves
Drill holes
—Drilling
Drilling fluids
Electrical well logging
Encasement
—Excavation
—Groundwater
Inflow
Land subsidence
—Logging (recording)
Logs
Percussion drilling
—Pipes
Pressure head
—Pumping
Pumping tests (wells)
—Pumps
Rapid drawdown
Rotary drilling
—Saline water intrusion
Saturation zones
Shafts (excavations)
Specific capacity
—Springs (water)
—Subsidence
Sumps
Test holes
Thiem test
Underground
Underground openings
Vertical drains
Well casings
Well filters
—Well logging
Well permits
Wellpoints
Well regulations
Well screens
Well spacing
Well yield

Well screens 0808.1
BT —Screens
RT —Corrosion control
—Filters
—Fluid filters
—Pipes
Sand filters
Screening
Steel pipes
Well casings
Well filters
Wellpoints
—Wells

Well spacing 0808.1
RT Darcys law
—Drawdown
Dupuit-Forchheimer theory
Salt water barriers
—Water wells
Wellpoints
Well regulations
—Wells

Well yield 0808.1
RT Discharge measurement
Drainage wells
—Drawdown
Flow measurement
Inflow
Pumping tests (wells)
—Recharge
—Water measurement
—Water yield
Wellpoints
—Wells

West Virginia 0806
BT —Geographical regions
—States (geographical)

Wet climates 0402
UF Superhumid climates
BT —Climate
RT Gray-brown podzolic soils
Humid areas
Humid climates
—Pedalfers
—Podzols
Rain forests
Red podzolic soils
Subtropic
Tropic
Wet condition
Wet seasons
Yellow podzolic soils

Wet condition 1407
RT Moist condition
—Moisture content
Mud
Puddling
Quick clays
Saturated soils
Soil classifications
Visual classifications
—Water content
Wet climates
—Wetlands
Wet seasons
Wet weight

Wetlands 0808
NT Coastal marshes
Freshwater marshes
Mangrove swamps
—Marshes
Salt marshes
—Swamps
Tidal marshes
RT —Aquatic environment
—Aquatic habitats
—Bodies of water
—Flooding
—Fresh water
—Regions
Shallow water
Stagnant water
—Standing waters
—Surface waters
Terrestrial habitats
Water injury
Wet condition
—Wildlife conservation

Wetness
USE Moisture content

Wet seasons 0402
UF Rainy seasons
RT Monsoons
—Precipitation (atmospheric)
Rain forests
Seasonal
Wet climates
Wet condition

Wettability 0704
BT —Physical properties
—Surface properties
RT Hygroscopic water
—Interfaces
Moisture tension
Permeability
—Soil physical properties
—Soil properties
—Surfaces
Surface tension
—Surfactants
Water properties
Wetting
Wetting agents

Wetting 0704
RT —Cooling
Dipping
Dust control
—Flooding
Precooling
Saturation
Soaking
Spraying
Sprinkling
Submergence
—Surfactants
Wettability
Wetting agents
Wetting and drying tests

Wetting agents 1107
UF Agents (wetting)
BT —Chemicals
RT —Additives
—Admixtures
Detergents
Soaps
Soil treatment
—Surface properties
—Surfactants
Wettability
Wetting

Wetting and drying tests 1402
BT —Environmental tests
—Materials tests
—Tests
RT Accelerated tests
Acceptance tests
—Drying

USE = Use preferred term; UF = Used for; BT = Broader term; NT = Narrower term; RT = Related term.

Wetting and drying tests (Con.)
—Durability
Exposure
—Laboratory tests
—Resistance
Wetting

Wetting front 0203.1
RT Infiltration
Infiltration rate
—Irrigation
Irrigation efficiency
—Irrigation practices
—Soil moisture
—Surface irrigation
Water application rate

Wet weight 1407
BT —Physical properties
—Weight
RT —Density
Dry weight
Field density
—Moisture content
Soil density
—Soil physical properties
Specific gravity
Unit weight
Wet condition

Wharves
USE Docks

Wheat 0204 0603.1
UF Triticum aestivum
BT —Agronomic crops
—Cereal crops
—Crops
—Field crops
—Grasses
—Monocots
—Plants (botany)
RT Grains (crops)

Wheatgrasses 0204 0603.1
UF Agropyron species
Blue-joint grass
Crested wheatgrass
BT —Agronomic crops
—Crops
—Field crops
—Forage grasses
—Forages
—Grasses
—Monocots
—Plants (botany)
—Range grasses

Wheatstone bridge 1402
BT —Electric bridges
—Equipment
—Instrumentation
—Measuring instruments
RT Laboratory equipment

Wheel excavators 1303
BT —Construction equipment
—Earth handling equipment
—Equipment
—Excavators
RT —Conveyors
—Wheels

Wheels 1306
NT Turbine wheels
Water wheels
RT —Bearings
Brakes
Gears
—Motor vehicles
—Rollers
—Rotors
Tires
Wheel excavators

Whirlpools
USE Eddies

Whistling swan 0603.2
UF Olor columbianus
BT —Animals
—Birds
—Non-game birds
—Swans
—Wildlife

White bass 0603.2
UF Roccus chrysops
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Freshwater fish
—Marine animals
—Marine fish
—Saline water fish
—Sea basses
—Wildlife
RT Bass

White catfish
USE Catfishes

White-cedar trees 0603.1
UF Chamaecyparis species
BT —Coniferous trees
—Conifers
—Gymnosperms
—Plants (botany)
—Trees
RT Coniferous forests

White clover 0204 0603.1
UF Trifolium repens
BT —Clovers
—Crops
—Dicots
—Horticultural crops
—Legumes
—Plants (botany)
RT —Agronomic crops
—Forage legumes
Turf

White fir trees 0206 0603.1
UF Abies concolor
BT —Coniferous trees
—Conifers
—Fir trees
—Gymnosperms
—Plants (botany)
—Trees

White-fronted goose 0603.2
UF Anser albifrons
BT —Animals
—Aquatic life
—Birds
—Geese (wild)
—Migratory birds
—Waterfowl
—Wildlife

White perch 0603.2
UF Roccus americanus
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Freshwater fish
—Marine animals
—Marine fish
—Saline water fish
—Sea basses
—Wildlife
RT —Perches

White pine trees 0206 0603.1
UF Northern pine trees
Pinus strobus
BT —Coniferous trees
—Conifers
—Gymnosperms
—Pine trees
—Plants (botany)
—Trees

White seaperch 0603.2
UF Phanerodon furcatus
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Marine animals
—Marine fish
—Saline water fish
—Wildlife

White-winged scoter 0603.2
UF Melanitta deglandi
Scoter (white-winged)
BT —Animals
—Aquatic life
—Birds
—Ducks (wild)
—Migratory birds
—Waterfowl
—Wildlife

Wicket gates 1307.1
UF Wickets
BT —Gates
—Hydraulic gates
RT —Flow control
Governors
—Hydraulic turbines
Turbine parts

Wickets
USE Wicket gates

Widgeon (american)
USE American widgeon

Widgeon (european)
USE European widgeon

Widgeon grass 0603.1
BT —Amphibious plants
—Aquatic life
—Aquatic plants
—Plants (botany)
—Rooted aquatic plants
RT Food and cover crops
—Monocots

Width 1407
UF Breadth
BT —Dimensions
—Physical properties
RT Channel morphology
Depth
Distance
Length
Spans
Thickness
Thinness

Wildlife 0603.2
BT —Animals
NT American widgeon
Ammocetes
—Amphibians
Anadromous fish
Atlantic menhaden
Atlantic salmon
Barrows goldeneye duck
Bass
Beavers
—Big game
Black brant
Black duck
Blue goose
Blue-winged teal
Bottom fish
Brackish-water fish
Brant
Brook trout
Brown trout
Buffalo fishes
Bufflehead duck
Bullheads
Canada goose
Canvasback duck
Carp
Carpsucker
Catadromous fish
—Catfishes
Cavefishes
Channel catfish
Chinook salmon
Chum salmon
—Cichlids
Cisco
Coastal diving ducks
—Cold-water fish
Commercial fish
Common eider duck
Common goldeneye duck
Common merganser duck
Common teal
Cutthroat trout
Darters
Deer
Desmersal fishes
—Ducks (wild)
Eels
—Elasmobranches
Emperor goose
European widgeon
—Fish
Forage fish
—Freshwater fish
Frogs
Fry
Fulvous tree duck
Gadwall duck
Game birds
Gars
—Geese (wild)
Gophers
Greater scaup duck
Green-winged teal
Gulls
—Herrings
—Juvenile fishes
Killifishes
Lake trout
—Lampreys
Lesser scaup duck
Livebearers
Low-latitude fishes
Madtoms
Mallard duck
—Marine fish
Mexican duck
—Migratory birds
Mink
Minnows
Morays
Mottled ducks
Mullets
Muskrats
Mute swan
Newts
—Non-game birds
Non-migratory birds
Nuisance birds
Oldsquaw duck
Otters
—Pan fish
Peccary
—Perches
Pikes
Pile perch
Pink salmon
Pintail ducks
Poultry
Prey fish
Puddleducks
Rainbow trout
Redhead duck
—Reptiles
Ring-necked duck
Roanoke bass
Rock bass
Rough fish
Ruddy duck
Salamanders
—Saline water fish
—Salmon
—Salmonids
Sauger
Sculpins
—Sea basses
Sharks
Shiners
Shore birds
Shoveler duck
Silversides
—Small game
Smelts
Smolt
Snakes
Snow goose
Sockeye salmon
Song birds
Sport fish
Stellers eider duck
Sticklebacks
Striped bass
—Suckers
—Sunfishes
—Swans
Tilapia
Toads
—Trout
Trumpeter swan
Turtles
Wading birds
Walleye
—Water birds
—Waterfowl
Whistling swan
White bass
White-fronted goose
White perch
White seaperch
White-winged scoter
Wood duck
Yellow bass
Yellow perch
RT Animal groupings
Animal wastes (wildlife)
Balance of nature
—Biology
—Birds

Wildlife (Con.)
Browse utilization
—Census
—Damages
—Ecology
Food chains
—Furbearers
Habitat improvement
Highway effects
Hunting
Land resources
Mammal groupings
—Mammals
—Natural resources
Preservation
—Rodents
—Small animals (mammals)
Vegetation effects
—Wildlife conservation
Wildlife habitats
—Wildlife management

Wildlife conservation 0603.2
BT —Conservation
—Resource conservation
NT Fish conservation
RT —Animal control
Balance of nature
Drainage programs
Fish and wildlife
Fishi[illegible]
Forest management
Habitat improvement
—Habitats
Irrigation programs
Non-consumptive use
Preservation
Reasonable use
—Reservoirs
—Riparian rights
Shelterbelts
Water allocation (policy)
Water conservation
—Wetlands
—Wildlife
—Wildlife management

Wildlife habitats 0606
BT —Environments
—Habitats
RT —Aquatic habitats
Habitat improvement
Terrestrial habitats
—Wildlife

Wildlife management 0603.2
UF Game management
BT —Management
NT Habitat improvement
RT Carrying capacity
Drainage effects
Fish and wildlife
Fish management
—Flooding
Food and cover crops
Marsh management
—Post-impoundment
Pre-impoundment
—Reservoir operation
Riparian plants
Sagebrush
Sago pondweed
Shelterbelts
—Shrubs
Soil conservation
Stream improvement
Vegetation regrowth
Watershed management
—Wildlife
—Wildlife conservation
Windbreaks

Wild rice 0603.1
UF Zizania aquatica
BT —Aquatic life
—Aquatic plants
—Grasses
—Monocots
—Plants (botany)
—Rooted aquatic plants
RT —Cereal crops
Food and cover crops

Wild rivers 0808
BT —Bodies of water
—Land forms
—Rivers
—Running waters
—Streams
—Surface waters
—Waterways
RT —Recreation
Scenery
—Water policy

Willow trees 0603.1
UF Salix species
BT —Crops
—Deciduous trees
—Dicots
—Horticultural crops
—Plants (botany)
—Trees
RT Riparian plants

Wilting 0616
RT —Drying
Heat resistance (biological)
Moisture availability
—Moisture content
Osmotic pressure
—Plants (botany)
Transpiration
—Water loss
Wilting point

Wilting coefficient
USE Wilting point

Wilting point 0616
UF Permanent wilting
Wilting coefficient
RT Capillary conductivity
—Moisture content
Moisture deficit
Retention
Root zone
—Soil moisture
Wilting

Wilts 0613
BT —Diseases
—Plant diseases
RT Epiphytology

Wind (meteorology) 0402
NT Chinook
Gusts
Jet streams (meteorology)
Lake breezes
Land breezes
Monsoons
Sea breezes
Squalls
RT Advection
—Aeolian soils
Aeolian vibration
Air circulation
Air currents
Air environment
—Air masses
—Anemometers
Atmospheric motion
Blizzards
—Climatology
Cloud physics
Coriolis force
Cyclones
Fetch
Galloping conductors
Hurricanes
—Hydrometeorological station
—Meteorology
Microenvironment
Ripple marks
Roof failures
Sea spray
Seiches
Snowstorms
—Storms
—Surges
Thunderstorms
—Tides
Tornadoes
—Tropical cyclones
Turbulence
Typhoons
Wave generation
Weather
Wind bracing
Windbreaks
Wind direction
Wind erosion
Wind pressure
Wind speed
Wind tides
Wind velocity

Wind bracing 1313.5
BT —Bracing
RT Bents (structural)
—Bridges (structures)
—Buildings
Dynamic loads
Gusts
Horizontal loads
—Live loads
—Loads (forces)
—Structural design
—Towers
—Trestles
—Trusses
—Wind (meteorology)
Wind pressure
Wind speed
Wind velocity

Windbreaks 0206
RT —Brus[illegible]
—Erosion control
Gusts
Shelterbelts
—Trees
—Wildlife management
—Wind (meteorology)
Wind erosion
Wind velocity

Wind direction 0402
RT —Wind (meteorology)
Wind profiles
Wind velocity

Wind erosion 0203
BT —Erosion
RT —Aeolian soils
Blowouts
—Drift
Dunes
Dune sands
Dust storms
Eluvium
—Erosion control
—Geologic deposits
Gusts
Loess
Sheet erosion
Shelterbelts
Soil conservation
Soil erosion
Strip cropping
Tornadoes
Vegetation effects
Weathering
—Wind (meteorology)
Windbreaks
Wind speed
Wind velocity

Winding (mechanical) 1308
RT —Reinforcement
Springs (mechanical)

Windings (electrical) 0903
RT Coils
—Electrical equipment
—Electric generators
—Electric motors
Electric wire
—Power transformers

Wind loads
USE Wind pressure

Wind pressure 0402
UF Wind loads
BT —Pressure
RT Building codes
—Buildings
Horizontal loads
—Lateral forces
—Live loads
Load factors
—Loads (forces)
Residences
Roof failures
Transmission towers
—Wind (meteorology)
Wind bracing
Wind velocity

Wind profiles 0402
BT —Profiles
RT Distance
Height
Wind direction
Wind speed
Wind velocity

Wind setup
USE Wind tides

Wind speed 0402
RT Air currents
Air environment
Air pollution effects
—Anemometers
Gusts
Hot film anemometers
Hot wire anemometers
Meteorological data
Pan evaporation
Potential evaporation
—Wind (meteorology)
Wind bracing
Wind erosion
Wind profiles
Wind velocity

Wind tides 0803
UF Wind setup
BT —Tides
RT —Mechanical waves
Seiches
—Surges
—Waves
—Wind (meteorology)
Wind velocity

Wind tunnels 1402
UF Hypersonic wind tunnels
Subsonic wind tunnels
Supersonic wind tunnels
BT —Equipment
—Facilities
—Test equipment
—Test facilities
RT Aerodynamics
Blowers
Design criteria
—Fluid dynamics
Laboratory equipment
—Models
Model tests
—Similitude
Supersonic flow
—Tests

Wind velocity 0402
BT —Velocity
RT Air currents
—Anemometers
Gusts
Hot film anemometers
Hot wire anemometers
Hurricanes
—Meteorology
—Wind (meteorology)
Wind bracing
Windbreaks
Wind direction
Wind erosion
Wind pressure
Wind profiles
Wind speed
Wind tides

Wing clipping
USE Marking techniques

Winter 0402
BT —Seasons
RT Seasonal

Winterkilling 0606
BT —Environmental effects
RT Catch crops
Cold resistance
—Freezing
Frost protection
—Ice
Longevity
Snow cover

Winter sports 0511
BT —Recreation
NT Ice fishing
Ice skating
Skiing

Wire 1106
NT Electric wire
RT —Bars
—Cables
—Electric cables
—Fasteners

Wire (Con.)
Filaments
Guyed towers
–Mechanical fasteners
Prestressed concrete
–Prestressing
–Reinforcement
–Reinforcing materials
–Rods
Stay lines
Stressing cables
Wire rope

Wire rope 1106
RT –Cables
–Fasteners
–Mechanical fasteners
Stressing cables
Towing
–Wire

Wisconsin 0806
BT –Corn belt
–Geographical regions
–States (geographical)

Withdrawal 1407
UF Draft
RT –Depletion
–Discharge (water)
Diversion
–Drawdown
Exploitation
Groundwater mining
Multilevel outlets
Overdraft
Recession curves
Reservoir capacity
–Reservoirs
Reservoir storage
Safe yield
Shallow subsidence
–Subsidence
–Water utilization

Withdrawn lands 0501
BT –Federal reservations
–Land
–Public land
RT –Water rights

Withstand level (electric) 0901
0903
RT Electrical insulation
Electrical insulation tests
–Electrical insulators
Flashover
Impulse tests (electrical)

Wood 1112
BT –Building materials
–Construction materials
–Materials
NT Hardwood
–Laminated wood
Plywoods
Softwood
RT Cellulose
Composite beams
Composite structures
Cork
Creosote
Fiberboards
Fibers (plant)
–Lignins
Lumber
–Plant tissues
Pulp and paper industry
Saw mills
Timbers
–Trees
Wooden bridges
Wooden piles
–Wooden structures
Wooden trestles
Wood preservatives
Wood wastes

Wood duck 0603.2
UF Aix sponsa
BT –Animals
–Aquatic life
–Birds
–Ducks (wild)
–Migratory birds
–Waterfowl
–Wildlife

Wooden bridges 1313.5
BT –Bridges (structures)
–Engineering structures
–Wooden structures
RT Bridge decks
Bridge design
Highway bridges
Lumber
Railroad bridges
Timbers
Truss bridges
–Wood
Wooden trestles

Wooden piles 1313.6
UF Timber piles
BT –Piles (foundations)
RT Batter piles
Bearing piles
–Concrete piles
–Foundations
Friction piles
–Marine borers
Pile caps
–Pile driving
Pile foundations
Pile friction
Sheet piling
Steel piles
Timbers
–Wood

Wooden structures 1313.5
BT –Structures
NT Wooden bridges
Wooden trestles
RT Building codes
Composite structures
Continuous frames
–Continuous structures
Continuous trusses
–Laminated wood
Lumber
Sheathing
–Structural design
Timbers
–Wood
Wood preservatives

Wooden trestles 1313.5
BT –Engineering structures
–Trestles
–Wooden structures
RT Bents (structural)
–Bracing
Timbers
–Wood
Wooden bridges
Wood preservatives

Wood-pole transmission lines
0901.1
BT –Transmission lines
RT –Circuits
–Electric cables
–Electric conductors
–Electric current
Electric wire
–Transmission (electrical)
Transmission loss
Transmission towers

Wood preservatives 1107
RT –Building materials
–Coatings
–Construction materials
Creosote
–Durability
Impregnation
Lumber
–Paints
–Protective coatings
Timbers
Varnishes
–Wood
–Wooden structures
Wooden trestles
Wood preservatives (pesticides)

Wood preservatives (pesticides)
0606 1107
BT –Chemicals
–Pesticides
–Poisons
RT Bactericides
Deterioration
Fungicides
Impregnation
–Insecticides
Lumber
Preservation
Wood preservatives

Wood wastes 1112
BT –Organic wastes
–Solid wastes
–Wastes
RT Bark
Cellulose
Humus
–Industrial wastes
–Lignins
Lumbering
Pulp and paper industry
Pulp wastes
Sawdust
Saw mills
Timbers
–Wood

Woody plant control
USE Brush control

Woody tissues
USE Vascular tissues

Work 2011
Use of a more specific term is recommended
RT –Construction
–Design
–Energy
–Engineering
Labor
Manuals
–Measurement
–Measuring instruments
–Movement
Occupations
Potential energy
–Sociology
Time and motion studies

Workability 1407
BT –Mechanical properties
RT Brittleness
Concrete mixes
–Concrete placing
Concrete properties
–Deformation
Ductility
Flexibility
Hardness
–Plasticity
Puddling
Slump
–Soil moisture
–Soil properties
Water-cement ratio

Working conditions 0505
RT Compensation
–Contracts
–Employment
Human engineering
Labor mobility
Labor unions
Morale
Occupations
–Personnel
Personnel management
Wages

Worldwide 1407
RT Foreign countries
–Industries

Worms 0603.2
BT –Animals
–Invertebrates
NT –Annelids
–Oligochaetes
Sludge worms
Trematodes
Tubificids
RT –Animal parasites
–Aquatic animals
Bloodworms
–Larvae
–Parasites

Worth
USE Value

Wrecks 1312
RT –Accidents
Automobiles
–Safety
Vehicles

Wrenches 1309
RT –Bolts
–Fasteners
Hand tools

Wrought iron 1106
BT –Iron
–Metals
RT –Iron alloys

Wye branches 1313.3
RT Bifurcations
–Canals
Head losses
–Hydraulic structures
–Pipelines
Trifurcations

Wyoming 0806
BT –Geographical regions
–States (geographical)
RT Reclamation states

X

Xerophilic animals 0603.2
UF Desert animals
BT –Animals
RT Animal groupings
Arid lands

Xerophilic plants
USE Xerophytes

Xerophytes 0603.1
UF Xerophilic plants
BT –Plants (botany)
NT Cacti
RT Arid lands
–Desert plants
Halophytes
Plant groupings
–Water storage

X-ray analysis 1402
BT –Analysis
–Analytical techniques
NT X-ray diffraction
X-ray fluorescence
X-ray spectroscopy
RT –Nondestructive tests
Qualitative analysis
–Quantitative analysis
–Radiographic inspection
–Radiography
Remote sensing
Stress analysis
X-rays

X-ray diffraction 1402 2006
BT –Analytical techniques
–Diffraction
–X-ray analysis
RT –Chemical analysis
Crystallography
–Crystals
Mineral analysis
Molecular structure
X-rays

X-ray fluorescence 2006
BT –Analytical techniques
–Fluorescence
–Luminescence
–X-ray analysis
RT –Chemical analysis
Mineral analysis
–Radiography
X-rays

X-ray inspection 1402
BT –Inspection
–Materials tests
–Nondestructive tests
–Radiographic inspection
–Radiography
RT –Quality control
X-rays

X-rays 2006
BT –Electromagnetic waves

X-rays (Con.)
—Radiation
—Transport phenomena
—Waves
RT Cosmic rays
Gamma rays
Irradiation
Neutrons
Radiation effects
—Radiographic inspection
—Radiography
—X-ray analysis
X-ray diffraction
X-ray fluorescence
X-ray inspection
X-ray spectroscopy

X-ray spectroscopy 1402
BT —Analytical techniques
—Spectroscopy
—X-ray analysis
RT —Chemical analysis
Qualitative analysis
—Quantitative analysis
—Spectrometry
Spectrum analysis
X-rays

Xylem 0603.1
BT —Plant tissues
—Vascular tissues
NT Tracheids
RT Dendrochronology
Fibers (plant)
Phloem
Root systems
Translocation
—Water storage

Y

Yeasts 0603.1
BT —Fungi
—Microorganisms
—Plants (botany)
RT —Aquatic microorganisms
Fermentation
—Soil microorganisms

Yellow bass 0603.2
UF Roccus mississippiensis
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Freshwater fish
—Marine animals
—Marine fish
—Saline water fish
—Sea basses
—Wildlife
RT Bass

Yellow perch 0603.2
UF Perca flavescens
BT —Animals
—Aquatic animals
—Aquatic life
—Fish
—Freshwater fish
—Perches
—Wildlife

Yellow pine trees 0206 0603.1
BT —Coniferous trees
—Conifers
—Gymnosperms
—Pine trees
—Plants (botany)
—Trees
RT Coniferous forests

Yellow podzolic soils 0807
BT —Acidic soils
—Pedalfers
—Podzols
—Soil groups
—Soils
—Soil types
RT Coniferous forests
Humid climates
Rain forests
Red podzolic soils
Subtropic
Wet climates

Yield (safe)
USE Safe yield

Yield (sediment)
USE Sediment yield

Yield (specific)
USE Specific yield

Yield (water)
USE Water yield

Yield equations 0204
BT —Equations
RT Crop production
Fish populations
—Productivity

Yield line method 1313.5
RT Equilibrium
Plastic theory
—Structural analysis
Structural behavior
—Structural design

Yield on investment
USE Return (monetary)

Yield point 2012
RT Compressive strength
—Deformation
High strength steels
Inelastic action
—Materials tests
—Strain
Strength of materials
—Stress
Stress-strain curves
—Tensile properties
—Tensile strength
Yield strength

Yield strength 2012
BT —Mechanical properties
—Strength
RT Compressive strength
—Deformation
High strength steels
—Materials tests
—Physical properties
Shear strength
—Strain
Strength of materials
—Stress
Stress-strain curves
—Tensile properties
—Tensile strength
Yield point

Youngs modulus
USE Modulus of elasticity

Z

Zea mays
USE Corn (field)

Zeolites 0704 0807
BT —Minerals
RT Cation exchange
—Ion exchange
—Water treatment
Water treatment plants

Zeta potential
USE Electrokinetic potential

Zinc 0702
BT —Chemical elements
—Materials
—Metals
RT Brass
—Zinc alloys
Zinc compounds
Zinc radioisotopes

Zinc alloys 1106
BT —Alloys
—Metals
NT Brass
RT —Bearings
Galvanizing
Soldering
Zinc

Zinc compounds 0702 0703
BT —Chemical compounds
RT Zinc

Zinc radioisotopes 1802
BT —Isotopes
—Radioisotopes
RT Zinc

Zizania aquatica
USE Wild rice

Zoned embankments 1313.1
BT —Earthworks
—Embankments
RT Dam design
Dikes
—Earth dams
—Earth materials
—Fills
—Filters
Hydraulic fill dams
Hydraulic fills
Impervious membranes
Levees
Pervious membranes
Rockfill dams
Seepage control
Slope protection
—Slope stability
Transition zones

Zone of aeration 0808.1
NT Capillary fringe
RT Aeration
Fringe water
—Soil moisture
—Soil water
Soil water movement
—Subsurface drainage
Subsurface flow
—Subsurface waters
—Unsaturated flow
—Vadose water
—Water table
Zone of saturation

Zone of saturation 0808.1
RT —Groundwater
Groundwater movement
—Groundwater sources
Influent streams
Natural recharge
—Phreatophytes
—Recharge
Saturated flow
Saturated soils
Saturation
—Subsurface waters
—Water table
—Zone of aeration

Zoning 1407
BT —Regulations
NT Flood plain zoning
Water zoning
RT Areal
Cadastral surveys
Cities
Flood plains
—Industries
Land use
Local governments
Locations
Municipalities
Non-structural alternatives
—Planning
Project planning
Project purposes
—Regions
Scenic easements
—Sites
—Surveys
Urbanization
—Water utilization

Zoology 0603.2
BT —Biology
—Sciences
RT Animal groupings
—Animal physiology
Animal populations
—Animals
—Biological communities
—Biomes
—Ecology
Paleontology
—Zooplankton

Zoonoses 0605
BT —Diseases
RT —Animal diseases
—Animal parasites
Animal pathology
Animal wastes (wildlife)
—Environmental engineering
Environmental sanitation
Epidemiology
Fish diseases
—Human diseases
Human pathology
Infection
—Parasites
Public health

Zooplankton 0603.2
BT —Animals
—Aquatic animals
—Aquatic life
—Plankton
NT Daphnia
Rotifers
Sea nettles
—Waterfleas
RT Animal groupings
—Aquatic microorganisms
Fish food organisms
—Marine animals
—Nannoplankton
Nekton
—Seston
Zoology

Subject Category Index

Subject Category Index

The *Subject Category Index* displays the descriptors grouped by subject areas. The index is a two- or three-level arrangement consisting of 22 major subject fields, each of which is subdivided into groups, and in some cases, subgroups. The subject category numbers for each descriptor correspond to designations in the *Thesaurus of Terms*. The first two digits refer to a field; the second two, to a group within that field; and the decimal digit, where used, to a subgroup of that group. The categorizations are intended to bring together under one heading, descriptors available in various subject areas, and do not represent a strict classification of terms.

The subject category fields and groups are based on those used in the Engineers Joint Council *Thesaurus of Engineering and Scientific Terms*. Subgroups and some additional groups have been added to adapt to the specific subject areas of this Thesaurus.

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Subject Category Fields and Groups

- **01 00 Aeronautics**
  - *01 01 Aerodynamics
  - 01 02 Aeronautics
  - 01 03 Aircraft
  - 01 04 Aircraft flight instrumentation
  - 01 05 Air facilities
- **02 00 Agriculture**
  - 02 01 Agricultural chemistry
  - 02 02 Agricultural economics
  - 02 03 Agricultural engineering
    - 02 03.1 Irrigation
  - 02 04 Agronomy and horticulture
  - 02 05 Animal husbandry
  - 02 06 Forestry
- **03 00 Astronomy and Astrophysics**
  - 03 01 Astronomy
  - 03 02 Astrophysics
  - *03 03 Celestial mechanics
- **04 00 Atmospheric Sciences**
  - 04 01 Atmospheric physics
  - 04 02 Meteorology
    - 04 02.1 Weather modification
- **05 00 Behavioral and Scocial Sciences**
  - 05 01 Administration and management
  - 05 02 Information sciences
  - 05 03 Economics
  - 05 04 History, law, and political science
    - 05 04.1 Legal aspects
  - 05 05 Human factors engineering
  - 05 06 Humanities
  - 05 07 Linguistics
  - *05 08 Man-machine relations
  - 05 09 Personnel selection, training, and evaluation
  - 05 10 Psychology
  - 05 11 Sociology
- **06 00 Biological and Medical Sciences**
  - 06 01 Biochemistry
  - 06 02 Bioengineering
  - 06 03 Biology
    - 06 03.1 Plants
    - 06 03.2 Animals
  - *06 04 Bionics
  - 06 05 Clinical medicine
  - 06 06 Environmental biology
  - *06 07 Escape, rescue, and survival
  - 06 08 Food
  - 06 09 Hygiene and sanitation
  - *06 10 Industrial (occupational) medicine
  - *06 11 Life support
  - 06 12 Medical equipment and supplies
  - 06 13 Microbiology
  - *06 14 Personnel selection and maintenance (medical)
  - 06 15 Pharmacology
  - 06 16 Physiology
  - *06 17 Protective equipment
  - 06 18 Radiobiology
  - 06 19 Stress physiology
  - 06 20 Toxicology
  - *06 21 Weapon effects
- **07 00 Chemistry**
  - 07 01 Chemical engineering
  - 07 02 Inorganic chemistry
  - 07 03 Organic chemistry
  - 07 04 Physical and general chemistry
  - 07 05 Radio and radiation chemistry
- **08 00 Earth Sciences and Oceanography**
  - 08 01 Biological oceanography
  - 08 02 Cartography
  - 08 03 Dynamic oceanography
  - 08 04 Geochemistry
  - 08 05 Geodesy
  - 08 06 Geography
  - 08 07 Geology and mineralogy
    - 08 07.1 Rock mechanics
  - 08 08 Hydrology and limnology
    - 08 08.1 Drainage and groundwater
    - 08 08.2 Water resources
  - 08 09 Mining engineering
  - 08 10 Physical oceanography
  - 08 11 Seismology
  - 08 12 Snow, ice, and permafrost
  - 08 13 Soil mechanics
  - 08 14 Geomagnetism
- **09 00 Electronics and Electrical Engineering**
  - 09 01 Components
    - 09 01.1 Electric power transmission
  - 09 02 Computers
  - 09 03 Electronic and electrical engineering
  - 09 04 Information theory
  - 09 05 Subsystems
  - 09 06 Telemetry
- **10 00 Nonpropulsive Energy Conversion**
  - 10 01 Conversion techniques
  - 10 02 Power sources
    - 10 02.1 Electric powerplants
  - 10 03 Energy storage
- **11 00 Materials**
  - 11 01 Adhesives and seals
  - 11 02 Ceramics, refractories, and glasses
  - 11 03 Coatings, colorants, and finishes
  - 11 04 Composite materials
  - 11 05 Fibers and textiles
  - 11 06 Metals
  - 11 07 Miscellaneous materials
  - 11 08 Oils, lubricants, and hydraulic fluids
  - 11 09 Plastics
  - 11 10 Rubbers
  - 11 11 Solvents, cleaners, and abrasives
  - 11 12 Wood and paper products
  - 11 13 Corrosion and degradation
- **12 00 Mathematical Sciences**
  - 12 01 Mathematics and statistics
  - 12 02 Operations research

- **13 00 Mechanical, Industrial, Civil, and Marine Engineering**
  - 13 01 Air conditioning, heating, lighting, and ventilating
  - 13 02 Civil engineering
    - 13 02.1 Sanitary engineering
    - 13 02.2 Water pollution
    - 13 02.3 Flood control
    - 13 02.4 Highway engineering
    - 13 02.5 Demineralization
    - 13 02.6 Reservoirs
  - 13 03 Construction equipment, materials, and supplies
    - 13 03.1 Concrete technology
  - 13 04 Containers and packaging
  - 13 05 Couplings, fasteners, and joints
  - 13 06 Ground transportation equipment
  - 13 07 Hydraulic and pneumatic equipment
    - 13 07.1 Hydraulic machinery
  - 13 08 Industrial processes
  - 13 09 Machinery, tools, and industrial equipment
    - 13 09.1 Mechanical engineering
  - 13 10 Marine engineering
  - 13 11 Pumps, filters, pipes, tubing, and valves
    - 13 11.1 Penstocks
  - 13 12 Safety engineering
  - 13 13 Structural engineering
    - 13 13.1 Dams and hydraulic structures
    - 13 13.2 Tunnels
    - 13 13.3 Pipelines
    - 13 13.4 Buildings
    - 13 13.5 Structures
    - 13 13.6 Foundations
    - 13 13.7 Hydraulic gates
  - 13 14 Project planning
  - 13 15 Construction

- **14 00 Methods and Equipment**
  - 14 01 Cost effectiveness
  - 14 02 Laboratories, test facilities, and test equipment
  - 14 03 Recording devices
  - 14 04 Reliability
  - 14 05 Reprography
  - 14 06 Research
  - 14 07 General concepts
  - *14 08
  - 14 09 Geometric forms

- **15 00 Military Sciences**
  - *15 01 Antisubmarine warfare
  - 15 02 Chemical, biological, and radiological operations
  - 15 03 Defense
  - *15 04 Intelligence
  - 15 05 Logistics
  - *15 06 Nuclear warfare
  - *15 07 Operations, strategy, and tactics

- ***16 00 Missile Technology**
  - *16 01 Missile launching and ground support
  - *16 02 Missile trajectories
  - *16 03 Missile warheads and fuses
  - *16 04 Missiles

- **17 00 Navigation, Communications, Detection, and Countermeasures**
  - 17 01 Acoustic detection
  - 17 02 Communications
  - 17 03 Direction finding
  - *17 04 Electromagnetic and acoustic countermeasures
  - *17 05 Infrared and ultraviolet detection
  - *17 06 Magnetic detection
  - 17 07 Navigation and guidance
  - *17 08 Optical detection
  - 17 09 Radar detection
  - *17 10 Seismic detection
  - 17 11 Miscellaneous detection

- **18 00 Nuclear Science and Technology**
  - *18 01 Fusion devices (thermonuclear)
  - 18 02 Isotopes
  - 18 03 Nuclear explosions
  - 18 04 Nuclear instrumentation
  - 18 05 Nuclear powerplants
  - 18 06 Radiation shielding and protection
  - 18 07 Radioactive wastes and fission products
  - 18 08 Radioactivity
  - 18 09 Reactor technology
  - *18 10 Reactor materials
  - *18 11 Reactor physics
  - *18 12 Reactors (power)
  - *18 13 Reactors (non-power)
  - *18 14 Snap technology

- **19 00 Ordnance**
  - 19 01 Ammunition, explosives, and pyrotechnics
  - *19 02 Bombs
  - *19 03 Combat vehicles
  - 19 04 Explosions, ballistics, and armor
  - *19 05 Fire control and bombing systems
  - *19 06 Guns
  - 19 07 Rockets
  - *19 08 Underwater ordnance

- **20 00 Physics**
  - 20 01 Acoustics
  - 20 02 Crystallography
  - 20 03 Electricity and magnetism
  - 20 04 Fluid mechanics
  - 20 05 Masers and lasers
  - 20 06 Optics
  - *20 07 Particle accelerators
  - 20 08 Particle physics and nuclear reactions
  - 20 09 Plasma physics
  - 20 10 Quantum theory and relativity
  - 20 11 Mechanics
  - 20 12 Solid state physics
  - 20 13 Thermodynamics
  - 20 14 Wave propagation

- **21 00 Propulsion, Engines, and Fuels**
  - *21 01 Air-breathing engines
  - 21 02 Combustion and ignition
  - *21 03 Electric propulsion
  - 21 04 Fuels
  - *21 05 Jet and gas turbine engines
  - *21 06 Nuclear propulsion
  - 21 07 Reciprocating engines
  - *21 08 Rocket engines

- *21 09 Rocket propellants
- 21 10 Engine components
- 21 11 General engine concepts
- 21 12 General propulsion concepts

22 00 Space Technology

- *22 01 Astronautics
- 22 02 Spacecraft
- 22 03 Spacecraft trajectories and reentry
- *22 04 Spacecraft launch vehicles and ground support

*indicates fields and groups which do not have any descriptors in this thesaurus.

0100
Aeronautics

0102
Aeronautics
Aeronautics

0103
Aircraft
Aircraft
Balloons
Helicopters

0104
Aircraft Flight Instrumentation
Altimeters

0105
Air Facilities
Airports
Runways

0200
Agriculture

0201
Agricultural Chemistry
Acidic soils
Agricultural chemicals
Alkaline soils
Alkali soils
Farm wastes
Fertility
Fertilization
Fertilizers
Mulching
Soil amendments
Soil contamination
Soil contamination effects

0202
Agricultural Economics
Acreage
Agricultural economics
Carrying capacity
Development farms
Experimental farms
Farm management
Farm prices
Farms
Farm units
Optimum crop yield
Parity prices
Parity ratios

0203
Agricultural Engineering
Agricultural engineering
Contour farming
Contour furrows
Dairy industry
Deep tillage
Erosion control
Fallowing
Farm equipment
Furrows
Furrow systems
Greenhouses
Growth chambers
Land clearing
Land forming
Land management
Land preparation
Soil conservation
Soil management
Soil reclamation
Terraces
Terracing
Wind erosion

0203.1
Irrigation
Acequias
Bench leveling
Border irrigation
Buried irrigation systems
Demand (irrigation systems)
Distribution systems
Diversion losses
Diversion loss returns
Duty of water
Flood irrigation
Furrow irrigation
Gravity irrigation
Irrigable land
Irrigated land
Irrigation
Irrigation design
Irrigation ditches
Irrigation effects
Irrigation efficiency
Irrigation engineering
Irrigation operation & maintenance
Irrigation practices
Irrigation programs
Irrigation systems
Irrigation water
Irrigation wells
Laterals
Mist irrigation
Mole irrigation
Non-consumptive use
Public acequias
Recirculating irrigation system
Sprinkler irrigation
Sublaterals
Subsurface irrigation
Supplemental irrigation
Supplemental water
Surface irrigation
Trickle irrigation
Water application rate
Water delivery
Water demand
Water requirements
Water spreading
Wetting front

0204
Agronomy and Horticulture
Agronomic crops
Agronomy
Alfalfa
Alsike clover
Apples
Arable land
Asparagus
Barley
Beans
Blueberries
Carrots
Catch crops
Cereal crops
Chiselling
Citrus fruits
Clovers
Corn (field)
Cotton
Cover crops
Cranberries
Crimson clover
Cropping patterns
Crop production
Crop response
Crops
Crop yield
Cultivated lands
Cultivation
Dates
Demonstration farms
Dry land farming
Fescues
Fiber crops
Field crops
Food and cover crops
Forage grasses
Forage legumes
Forage mixtures
Forages
Fruit crops
Grains (crops)
Grapefruit
Growing period
Halogeton
Harvesting
Hay
Horticultural crops
Horticulture
Industrial crops
Ladino clover
Land classification
Lawns
Legumes
Lemons
Lespedeza
Lettuce
Limes
Macadamia
Melons
Nuts
Oats
Oilseed crops
Onions
Oranges
Orchards
Peaches
Peanuts
Pecans
Planting management
Plowing
Pome fruits
Popcorn
Potatoes
Red clover
Rice
Seeding
Seed treatment
Silage
Soil-water-plant relationships
Sorghum
Soybeans
Specialty crops
Standing crop
Stone fruits
Strawberries
Strip cropping
Stubble mulching
Sugar beets
Sugarcane
Sugar crops
Sweet corn
Sweet potatoes
Tobacco
Tomatoes
Transpiration control
Tropical fruits
Turf
Vegetable crops
Vegetation establishment
Vegetation regrowth
Vertical mulching
Vetch
Vine crops
Weed control
Wheat
Wheatgrasses
White clover
Yield equations

0205
Animal Husbandry
Browse utilization
Cattle
Confinement pens
Domestic animals
Feeding rates
Feeds
Forage palatability
Grazing
Grazing land
Livestock
Pasture
Pasture management
Poultry
Range management
Revegetation
Sheep
Stock water

0206
Forestry
Ash trees
Balsam fir trees
Clear-cutting
Coniferous forests
Cutting management
Deciduous forests
Douglas fir trees
Fir trees
Forest fires
Forest management
Forestry
Forests
Hardwood
Jack pine trees
Loblolly pine trees
Lodgepole pine trees
Lumbering
Mixed forests
Mountain forests
National forests
Oak trees
Pine trees
Ponderosa pine trees
Rain forests
Red fir trees
Red pine trees
Reforestation
Scotch pine trees
Shelterbelts
Softwood
Trees
White fir trees
White pine trees
Windbreaks
Yellow pine trees

0300
Astronomy and Astrophysics

0301
Astronomy
Astronomical bodies
Astronomy
Earth (planet)
Mars (planet)
Meteorites
Moon
Planets
Solar systems
Stars
Sun

0302
Astrophysics

- Cosmic rays
- Extraterrestrial hydrology
- Solar disturbances
- Solar radiation

0400
Atmospheric Sciences

0401
Atmospheric Physics

- Air
- Air circulation
- Albedo
- Atmospheric physics
- Atmospheric research
- Auroras
- Cloud physics
- Hygrometry
- Lightning
- Meteors
- Nuclei
- Radiosondes
- Troposphere
- Upper atmosphere

0402
Meteorology

- Air currents
- Air masses
- Air temperature
- Antecedent precipitation
- Anticyclones
- Arid climates
- Atmospheric motion
- Atmospheric pressure
- Autumn
- Blizzards
- Cap clouds
- Ceilings (meteorology)
- Chemistry of precipitation
- Chinook
- Cirrus clouds
- Climate
- Climatic changes
- Climatic data
- Climatic zones
- Climatology
- Cloudbursts
- Cloud cover
- Cloud models
- Cloud modification
- Clouds
- Cold climates
- Convection clouds
- Cumulonimbus clouds
- Cumulus clouds
- Cyclones
- Degree days
- Dew
- Dew point
- Drizzle
- Droughts
- Dry seasons
- Dust storms
- Effective precipitation
- Excessive precipitation
- Extratropical cyclones
- Firn
- Fog
- Fronts (atmospheric)
- Frost
- Graupel
- Gusts
- Hail
- Haze
- Hot winds
- Humid climates
- Hurricanes
- Hydrometeorological station
- Hydrometeorology
- Hyetographs
- Ice nuclei
- Impact (rainfall)
- Isobars
- Isohyets
- Jet streams (meteorology)
- Lake breezes
- Land breezes
- Marine air masses
- Meteorological data
- Meteorological instruments
- Meteorological radar
- Meteorological satellites
- Meteorology
- Microclimatology
- Micrometeorology
- Mist
- Monsoons
- Orographic clouds
- Orographic precipitation
- Potential evaporation
- Precipitable water
- Precipitation (atmospheric)
- Precipitation excess
- Precipitation intensity
- Precipitation rate
- Probable maximum precipitation
- Rain
- Raindrops
- Rainfall
- Rainfall disposition
- Rainfall intensity
- Rain forests
- Rime
- Sea breezes
- Seasonal
- Seasonal variations
- Seasons
- Semiarid climates
- Simulated rainfall
- Sleet
- Smog
- Snow
- Snowfall
- Snow gages
- Snow mechanics
- Snow samplers
- Snowstorms
- Spring
- Squalls
- Storms
- Storm structure
- Stratus clouds
- Subarctic
- Subhumid climates
- Subtropic
- Summer
- Supercooled fog
- Synoptic analysis
- Temperature inversions
- Thunderstorms
- Tornadoes
- Tropic
- Tropical cyclones
- Typhoons
- Weather
- Weather communications
- Weather data
- Weather forecasting
- Weather maps
- Weather patterns
- Weather stations
- Wet climates
- Wet seasons
- Wind (meteorology)
- Wind direction
- Wind pressure
- Wind profiles
- Wind speed
- Wind velocity
- Winter

0402.1
Weather Modification

- Artificial storms
- Cloud seeding
- Fog dispersion
- Induced precipitation
- Nuclei generators
- Silver iodide generators
- Weather modification

0500
Behavioral and Social Sciences

0501
Administration and Management

- Accounting
- Administration
- Administrative agencies
- Administrative decisions
- Adoption of practices
- Allotments
- Annual benefits
- Annual equivalent benefits
- Appropriations (fiscal)
- Arrow diagrams
- Auditing
- Bar graphs
- Benefits
- Benefit sharing
- Bids
- Budgeting
- Budgets
- Change orders
- Claims (contracts)
- Compensation
- Competitive bidding
- Construction management
- Contract administration
- Contracting
- Contracting officers
- Contracts
- Coordination
- Critical path method
- Decision making
- Direct benefits
- Earnings
- Employee relations
- Executives
- Federal budgets
- Flow charts
- Implied benefits
- Indirect benefits
- Induced benefits
- Industrial relations
- Intangible benefits
- Lagged benefits
- Land acquisition
- Land management
- Leadership
- Management
- Management analysis
- Management engineering
- Management planning
- Manual benefits
- Marginal benefits
- Negotiations
- Optimum development plans
- Organization charts
- Organizations
- Organizing
- Payment
- Personnel management
- PERT
- Planning
- Policies
- Procurement
- Production planning
- Professional societies
- Project benefits
- Projects
- Public benefits
- Public relations
- Purchasing
- Recommendations
- Renting
- Repayment contracts
- Scheduling
- Scientific societies
- Short-term planning
- Supervision
- Systems analysis
- Systems engineering
- Tangible benefits
- Technical societies
- Trade associations
- Water districts
- Water permits
- Water policy
- Watershed management
- Water users
- Withdrawn lands

0502
Information Sciences

- Abstracts
- Acronyms
- Annotations
- Bibliographies
- Biographies
- Catalogs
- Conferences
- Coordinate indexing
- Current awareness
- Data collections
- Data collection systems
- Data retrieval
- Data storage
- Descriptors
- Diagrams
- Dictionaries
- Directories
- Dissemination (information)
- Documentation
- Editing
- Indexes (documentation)
- Indexing
- Information centers
- Information retrieval
- Information science
- Information systems
- Interest profiles
- Keywords
- Libraries
- Manuals
- Nomenclatures
- Patents
- Progress reports
- Project summaries
- Publications
- Questionnaires
- Records
- Reports
- Report writing
- Reviews
- Selective dissemination
- Subject indexing
- Tables (data)
- Technical papers
- Technical writing
- Thesaurus
- Vocabularies

0503
Economics

- Adjusted income
- Adjusted prices
- Allocations
- Amortization
- Appraisals
- Appreciation
- Assessments
- Average income
- Average prices

0503 (Con.)

Benefit-cost analysis
Benefit-cost ratios
Benefit-cost theory
Benefits
Benefit sharing
Capital
Capital mobility
Capital supply
Commerce
Commercial fishing
Comparative benefits
Compensation
Competitive prices
Condemnation value
Consumers
Contracts
Cooperatives
Cost repayment
Credit
Debt
Deferred benefits
Demand
Depreciation
Direct benefits
Discount rate
Discriminatory pricing
Diseconomies of scale
Diversification
Earnings
Economic efficiency
Economic feasibility
Economic growth
Economic impact
Economic justification
Economic life
Economic prediction
Economic rent
Economics
Economies of scale
Elasticity of demand
Elasticity of supply
Electric power rates
Employment opportunities
Engineering economy
Equilibrium prices
Estimated benefits
Expenditures
Export
Federal budgets
Finance
Financial analysis
Financial feasibility
Financing
Fish harvest
Fishing
Fishkill
Flood plain insurance
Foreign trade
Fringe benefits
Full employment
Government finance
Government supports
Grants
Gross income
Gross national product
Gross profit
Implied benefits
Import
Income
Income analysis
Incremental income
Indirect benefits
Induced benefits
Industries
Inflation (economic)
Insurance
Intangible benefits
Interest (finance)
Interest rate
Investment
Lagged benefits
Land
Land appraisal
Land resources
Liabilities
Loans
Manual benefits
Manufacturing
Marginal benefits
Marginal costs
Marginal income
Marginal return
Marketing
Market value
Monetary benefits
Monopoly
National income
Natural resources
Net income
Net profit
Non-reimbursable benefits
Non-reimbursable costs
Participating funds
Payment
Power marketing
Prices
Pricing
Principal
Profit
Progressive taxes
Project benefits
Project feasibility
Property values
Public benefits
Purchasing
Real benefits
Real income
Reimbursable costs
Rental equipment
Repayment
Resource allocation
Resource mix
Return (monetary)
Return to scale
Revenues
Risks
Royalties
Salaries
Sales
Salvage value
Service life
Sinking fund
Supply
Tangible benefits
Tariff
Taxes
Tax rate
Third party effects
Tourism
Unemployment
Value
Wages
Water costs
Water permits
Water pricing
Water rates
Water values
Welfare (economics)

0504
History, Law, and Political Science

Boating regulations
Dating
Developing countries
Drainage districts
Federal agencies
Federal government
Federal jurisdiction
Federal project policy
Federal reservations
Federal-state cooperation
Flood plain regulation
Foreign policies
Foreign waters
Governments
History
Hydroelectric project licensing
Indian reservations
Institutional constraints
Institutions
Inter-agency cooperation
International commissions
International compacts
International geophysical year
International hydrological decade
International waters
Interstate
Interstate commissions
Irrigation districts
Licenses
Litigation
Local governments
Military reservations
Municipalities
National battlefields
National historic parks
National historic sites
National lakeshores
National memorials
National monuments
National parks
National recreation areas
National seashores
National wildlife refuges
Political aspects
Political constraints
Political science
Port authorities
Public land
Public land policy
Public services
Public utility districts
Real property
Reclamation states
Regressive taxes
Regulations
River basin commissions
Scenic easements
Seaworthiness
Severance
Sewage districts
State governments
State jurisdiction
States (geographical)
Treaties
United States government
Well regulations

0504.1
Legal Aspects

Accretion (legal aspects)
Adjudication procedure
Admiralty
Agreements
Alteration of flow
Appropriation (water rights)
Avulsion
Beneficial use
Boundaries (property)
Boundary disputes
Bulkhead line
Civil law
Claims (contracts)
Competing uses
Condemnation
Dual system
Easements
Eminent domain
Equitable apportionment
Federal-state water rights conflicts
Guarantees
High water mark
International law
Interstate compacts
Irrigation permits
Judicial decisions
Jurisdiction
Land ownership
Land tenure
Law of the sea
Laws
Leases
Legal aspects
Legislation
Low water mark
Natural flow doctrine
Negotiations
Overlying proprietor
Ownership of beds
Permits
Personal property
Preferences (water rights)
Prescriptive rights
Prior appropriation
Priorities
Proprietary power
Proration
Public rights
Pueblo water rights
Reasonable use
Relative rights
Remedies
Repulsion (legal aspects)
Reservation doctrine
Riddance (legal aspects)
Riparian land
Riparian rights
Supply contracts
Surplus water
Torts
Unappropriated water
Usufructuary right
Water allocation (policy)
Water contracts
Watercourses (legal)
Water law
Water rights
Well permits

0505
Human Factors Engineering

Environmental engineering
Working conditions

0506
Humanities

Archaeology
Arts
Beautification
Formal logic

0507
Linguistics

Grammars
Languages
Machine translating
Semantics
Translating
Translations

0509
Personnel Selection, Training, and Evaluation

Abilities
Architects
Careers
Civil service
Colleges
Consulting engineers
Crafts
Designers
Education
Employee relations
Employment
Engineering education
Engineering personnel
Executives
Government employees
Instruction
Job analysis
Labor
Labor mobility
Labor supply
Labor unions
Learning
Maintenance personnel
Management training
Manpower

0509 (Con.)

Occupations
Performance rating
Personnel
Personnel management
Professional advancement
Professional development
Professional personnel
Programmed instruction
Responsibilities
Schools (education)
Scientific personnel
Self-improvement
Students
Technologists
Training
Under-employment
Universities
Visual aids

0510
Psychology

Aesthetics
Animal behavior
Applied psychology
Attitudes
Behavior
Competition
Creativity
Group dynamics
Human behavior
Human engineering
Incentives
Learning
Memory
Migration
Migration patterns
Morale
Motivation
Problem solving
Psychological aspects
Psychology
Reasoning

0511
Sociology

Area redevelopment
Bait fishing
Boating
Camping
Camp sites
Cold-water fishing
Community development
Creel census
Cruises
Electro-fishing
Ethics
Fishing
Fishing gear
Fly fishing
Fyke nets
Gill nets
Golf courses
Human population
Human resources
Hunting
Ice fishing
Ice skating
Mortality
Parental care
Parks
Playgrounds
Population
Population growth
Public opinion
Recreation
Recreation demand
Recreation facilities
Rural sociology
Scuba diving
Skiing
Social adjustment
Social aspects
Social behavior
Social change
Social function
Social impact
Social mobility
Social needs
Social participation
Social values
Sociology
Sport fishing
Surf-boarding
Surf-casting
Swimming
Swimming pools
Trawling
Urban areas
Urbanization
Urban renewal
Urban sociology
Warm-water fishing
Water skiing
Water sports
Winter sports

0600
Biological and Medical Sciences

0601
Biochemistry

Adjuvants
Algal control
Algal nutrients
Algal poisoning
Algal toxins
Aminotriazole
Bioassay
Biochemistry
Bioindicators
Bioluminescence
Carbohydrates
Carbon cycle
Caseins
Cellulose
Chlorophyll
Deficient elements
Enzymes
Essential nutrients
Lipids
Nitrogen cycle
Nitrogen fixation
Peptides
Photosynthesis
Photosynthetic oxygen
Proteins
Rots
Trace elements
Vitamin B
Vitamins

0602
Bioengineering

Biological treatment

0603
Biology

Anaerobic processes
Annual turnover
Aquatic life
Aquatic productivity
Benthos
Biological properties
Biology
Biomass
Biophysics
Biorhythms
Biota
Blotches
Comparative productivity
Cytological studies
Fish and wildlife
Genetics
Geotropism
Germination
Gonads
Growth
Incubation
Mode of action
Parasites
Periphyton
Phloem
Phototropism
Phylogeny
Rusts (fungi)
Sexual maturity
Sterilants

0603.1
Plants

Algae
Alligatorweed
Amphibious plants
Aquatic algae
Aquatic fungi
Aquatic plants
Aquatic weeds
Bahiagrass
Balsam fir trees
Bark
Benthic flora
Bermudagrass
Biochemical oxygen demand
Birch trees
Black locust trees
Blights
Bluegrasses
Brambles
Bristlecone pine trees
Bromegrass
Brush
Bulrush
Cacti
Canopy
Carrots
Cattails
Chaparral
Circulation (plants)
Clovers
Clubmoss
Coastal bermudagrass
Coniferous trees
Conifers
Cottonwoods
Dallisgrass
Deciduous trees
Dendrochronology
Desert plants
Diatoms
Dicots
Ditch grass
Douglas fir trees
Ferns
Fescues
Fir trees
Floating plants
Floating weeds
Flowering
Foliar
Forage grasses
Forage legumes
Forage mixtures
Forages
Fungi
Grama grasses
Grand fir trees
Grasses
Ground cover
Gymnosperms
Halophytes
Hemlock trees
Hickory trees
Hydroponics
Jack pine trees
Johnsongrass
Juniper trees
Kentucky bluegrass
Ladino clover
Leaves
Legumes
Lemons
Lespedeza
Lettuce
Lichens
Lilac
Limes
Loblolly pine trees
Lodgepole pine trees
Macadamia
Maple trees
Marine plants
Marsh plants
Merion bluegrass
Mesquite
Mildews
Moisture stress
Molds
Monocots
Mosses
Noble fir trees
Non-parasitic diseases (plant)
Nuisance algae
Oak trees
Oats
Onions
Oranges
Orchardgrass
Ornamentals
Pacific silver fir trees
Pathogenic fungi
Peaches
Peanuts
Pecans
Perennial ryegrass
Phaeophyta
Phreatophytes
Phytoplankton
Pine trees
Pinyon pine trees
Plankton
Plant breeding
Plant diseases
Plant groupings
Plant growth
Plant growth regulators
Plant growth substances
Plant morphology
Plant pathology
Plant physiology
Plant pigments
Plant populations
Plants (botany)
Plant tissues
Plant viruses
Poisonous plants
Pollen
Pome fruits
Ponderosa pine trees
Pondweeds
Popcorn
Potatoes
Rabbitbush
Range grasses
Red clover
Red fir trees
Red pine trees
Reeds
Rhizomes
Rhodophyta
Rice
Riparian plants
Root development
Root distribution
Rooted aquatic plants
Root systems
Root zone
Sagebrush
Sago pondweed
Scabs
Scenedesmus
Scotch pine trees
Seeds
Seepwillow
Sessile algae

0603.1 (Con.)

Shrubs
Smuts
Snapdragons
Soybeans
Spores
Spots
Stemflow
Stinging nettles
Stomata
Stone fruits
Straw
Strawberries
Submerged plants
Submersed weeds
Sudangrass
Sugar beets
Sugarcane
Sweet corn
Sweet potatoes
Switchgrass
Sycamore trees
Symbiosis
Tamarisk
Taste-producing algae
Tobacco
Tolerances (plant)
Tomatoes
Tracheids
Translocation
Trees
Turf grasses
Turgidity
Vascular tissues
Vegetal cover
Vegetation
Vetch
Water hyacinth
Weed growth
Weeds
Wheat
Wheatgrasses
White-cedar trees
White clover
White fir trees
White pine trees
Widgeon grass
Wild rice
Willow trees
Xerophytes
Xylem
Yeasts
Yellow pine trees

0603.2
Animals

American widgeon
Ammocetes
Amphibians
Amphipoda
Anadromous fish
Animal behavior
Animal control
Animal diseases
Animal groupings
Animal metabolism
Animal parasites
Animal pathology
Animal physiology
Animal populations
Animals
Animal sounds
Animal wastes (wildlife)
Annelids
Aquaria
Aquatic animals
Aquatic insects
Aquatic populations
Atlantic menhaden
Atlantic salmon
Barrows goldeneye duck
Bass
Beavers
Benthic fauna
Big game
Bird eggs
Birds
Bird types
Black brant
Black duck
Bloodworms
Blue goose
Blue-winged teal
Bottom fish
Brackish-water fish
Brant
Breeding
Brine shrimp
Broods
Brood stock
Brook trout
Brown trout
Buffalo fishes
Bufflehead duck
Bullheads
Burrowing animals
Caddisflies
Canada goose
Canvasback duck
Carnivores
Carp
Carpsucker
Catadromous fish
Catfishes
Cattle
Cavefishes
Channel catfish
Chinook salmon
Chum salmon
Cichlids
Cisco
Clams
Clutch (biology)
Coastal diving ducks
Cold-water fish
Commercial fish
Commercial shellfish
Common eider duck
Common goldeneye duck
Common merganser duck
Common teal
Copepods
Coral
Crabs
Crayfish
Crustaceans
Cutthroat trout
Daphnia
Darters
Deer
Desmersal fishes
Diptera
Dobsonflies
Domestic animals
Dragonflies
Ducks (wild)
Eels
Eggs
Elasmobranches
Embryonic growth stage
Emperor goose
Entomology
Estuarine fisheries
European widgeon
Fecundity
Fish
Fish attractants
Fish behavior
Fish conservation
Fish diseases
Fish eggs
Fisheries
Fish food organisms
Fish genetics
Fish hatcheries
Fish management
Fish migration
Fish parasites
Fish populations
Fish reproduction
Fish sterilants
Fish stocking
Fish taxonomy
Fish types
Forage fish
Freshwater fish
Frogs
Fry
Fulvous tree duck
Furbearers
Gadwall duck
Game birds
Gars
Gastropods
Geese (wild)
Goats
Gophers
Greater scaup duck
Green-winged teal
Gulls
Halophilic animals
Hatching
Herbivores
Herrings
Hogs
Hosts
Immature growth stage
Insect behavior
Insect eggs
Insects
Invertebrates
Isopods
Jelly fish
Juvenile fishes
Juvenile growth stage
Killifishes
Laboratory animals
Lacewings
Lake fisheries
Lake trout
Lampreys
Larvae
Larval growth stage
Lesser scaup duck
Livebearers
Livestock
Lobsters
Low-latitude fishes
Madtoms
Mallard duck
Mammal groupings
Mammals
Man
Marine animals
Marine borers
Marine fish
Marine fisheries
Mature growth stage
Mayflies
Mexican duck
Midges
Migratory birds
Mink
Minnows
Mites
Mollusks
Morays
Mosquitoes
Mottled ducks
Mullets
Muskrats
Mussels
Mute swan
Nematodes
Newts
Non-game birds
Non-migratory birds
Nuisance birds
Odor-producing algae
Oldsquaw duck
Oligochaetes
Omnivores
Opossum shrimp
Otters
Oysters
Pan fish
Peccary
Perches
Pikes
Pile perch
Pink salmon
Pink shrimp
Pintail ducks
Plankton
Plankton nets
Poultry
Predation
Prey fish
Protozoa
Pseudomonas
Puddleducks
Rainbow trout
Redhead duck
Red tide
Reptiles
Reservoir fisheries
Ring-necked duck
Roanoke bass
Rock bass
Rodents
Rotifers
Rough fish
Ruddy duck
Ruminants
Salamanders
Saline water fish
Salmon
Salmonids
Sauger
Scavengers
Schools (fish)
Sculpins
Sea basses
Sea nettles
Sharks
Sheep
Shellfish
Shiners
Shore birds
Shoveler duck
Shrimp
Silversides
Sludge worms
Small animals (mammals)
Small game
Smelts
Smolt
Snails
Snakes
Snow goose
Sockeye salmon
Song birds
Spawning
Sport fish
Stellers eider duck
Sticklebacks
Stocking
Stoneflies
Stream fisheries
Striped bass
Suckers
Sunfishes
Swans
Teredos
Thermophilic animals
Tilapia
Toads
Trapping
Trematodes
Trout
Trumpeter swan
Tubificids
Turtles
Wading birds
Walleye
Warm-water fish
Water beetles
Water birds
Waterfleas
Waterfowl
Whistling swan
White bass
White-fronted goose
White perch

0603.2 (Con.)

- White seaperch
- White-winged scoter
- Wildlife
- Wildlife conservation
- Wildlife management
- Wood duck
- Worms
- Xerophilic animals
- Yellow bass
- Yellow perch
- Zoology
- Zooplankton

0605
Clinical Medicine

- Diseases
- Drowning
- Epidemics
- Epidemiology
- Epiphytology
- Epizootiology
- First aid
- Human diseases
- Human pathology
- Infection
- Intermediate hosts
- Medicine
- Morbidity
- Parasitism
- Pathology
- Public health
- Resuscitation
- Soil-borne diseases
- Zoonoses

0606
Environmental Biology

- Acaricides
- Algicides
- Aliphatic pesticides
- Allogenic succession
- Annual succession
- Antibiotics (pesticides)
- Antifouling materials
- Antihelminthes (pesticides)
- Antimycin A
- Antiprotozoals (pesticides)
- Aquatic habitats
- Aquatic weed control
- Arsenicals (pesticides)
- Attractants
- Autogenic succession
- Avicides
- Bactericides
- Baits
- Bait traps
- Balance of nature
- Biocontrol
- Biological communities
- Biomes
- Biotrons
- Brush control
- Burrows
- Carbamate pesticides
- Chemcontrol
- Chlorinated hydrocarbon pesticides
- Climatic climax
- Climax
- Cold resistance
- Cultural control
- 2,4-D
- Dalapon
- DDT
- Defoliants
- Diazinon
- 2,6-Dichlobenil
- Dieldrin
- Diel migration
- Diquat
- Disclimax
- Dominant organisms
- Dune succession
- Dystrophy
- Ecological distribution
- Ecology
- Ecosystems
- Ecotypes
- Emerging vegetation stage
- Endrin
- Environmental effects
- Environmental gradient
- Estuarine environment
- Eutrophication
- Fish control agents
- Fish establishment
- Fish guiding
- Fish repellents
- Foliar application
- Food pyramids
- Food webs
- Fumigants
- Fungicides
- Gametocides
- Habitat improvement
- Habitats
- Halogenated pesticides
- Heptachlor
- Herbicides
- Inorganic pesticides
- Insect attractants
- Insect control
- Insecticides
- Insect repellents
- Insect resistance
- Integrated control measures
- Invasion
- Larvicides
- Latitudinal studies
- Lethal limit
- Lodging
- Mammalian attractants
- Mammalian repellents
- Marking techniques
- Metal organic pesticides
- Molluscacides
- Monuron
- Nematocides
- Nesting
- Nesting cover
- Nests
- Niches
- Number fish per acre
- Oligotrophy
- Organic pesticides
- Organophosphorus compounds
- Organophosphorus pesticides
- Overwintering sites
- Oxygen sag
- Paraquat
- Pest control
- Pesticide drift
- Pesticide kinetics
- Pesticide removal
- Pesticide residues
- Pesticides
- Phenolic pesticides
- Phenology
- Phosphothioate pesticides
- Physiological ecology
- Pioneer stage
- Piscicides
- Postclimax
- Post-emergents
- Pounds fish per acre
- Preclimax
- Pre-emergents
- Primary productivity
- Pyridine pesticides
- Repellents
- Reproduction (biology)
- Rhizosphere
- Rodenticides
- Rotenone
- Salt tolerance
- Secondary productivity
- Shore-line cover
- Soil sterilants
- Speciation
- Spirochetaticides (pesticides)
- Subclimax
- Submerged vegetation stage
- Succession
- Systemics
- 2,4,5-T
- Temporary pond stage
- Terrestrial habitats
- Thermoperiodism
- Thiocarbamate pesticides
- Triazine pesticides
- Triazole pesticides
- Tropisms
- Uracil pesticides
- Urea pesticides
- Vegetation effects
- Vertical migration
- Viricides
- Weed control
- Wildlife habitats
- Winterkilling
- Wood preservatives (pesticides)

0608
Food

- Cycling nutrients
- Eggs
- Food abundance
- Food chains
- Foods
- Milk

0609
Hygiene and Sanitation

- Disinfection

0612
Medical Equipment and Supplies

- Hospitals

0613
Microbiology

- Acid bacteria
- Actinomycetes
- Aerobic bacteria
- Aerobic conditions
- Anaerobic bacteria
- Anaerobic conditions
- Aquatic bacteria
- Aquatic microbiology
- Aquatic microorganisms
- Azotobacter
- Bacteria
- Bacteriophage
- Beggiatoa
- Chara
- Chlamydomonas
- Chlorella
- Chlorophyta
- Chrysophyta
- Clostridium
- Coliforms
- Cultures
- Cyanophyta
- Dinoflagellates
- E. coli
- Enteric bacteria
- Euglena
- Euglenophyta
- Ferrobacillus
- Harvesting of algae
- Iron bacteria
- Lactobacillus
- Marine algae
- Marine bacteria
- Marine fungi
- Marine microorganisms
- Methane bacteria
- Microbiology
- Microorganisms
- Mycobacterium
- Myxobacteria
- Nannoplankton
- Nekton
- Nitrogen fixing bacteria
- Ochromonas
- Pathogenic bacteria
- Photosynthetic bacteria
- Pyrrophyta
- Salmonella
- Seston
- Sewage bacteria
- Shigella
- Soil algae
- Soil bacteria
- Soil fungi
- Soil microbiology
- Soil microorganisms
- Sphaerotilus
- Streptococcus
- Sulfate reducing bacteria
- Thermophilic bacteria
- Thiobacillus ferrooxidans
- Vectors (biology)
- Verticillium
- Viruses
- Wilts

0615
Pharmacology

- Drugs
- Toxins

0616
Physiology

- Acclimatization
- Aestivation
- Aging (biological)
- Biological membranes
- Chromosomes
- Circulation (animals)
- Cloaca (zoological)
- Cuticle
- Diapause
- Diets
- Digestion
- Disease resistance
- Down (bird)
- Drought resistance
- Drought tolerance
- Epidermis
- Essential nutrients
- Fertility
- Fish diets
- Fish physiology
- Fish toxins
- Food habits
- Growth rates
- Growth stages
- Health
- Life cycles
- Life history studies
- Longevity
- Metabolism
- Nutrient requirements
- Nutrients
- Odor
- Ovicides
- Oviposition
- Oxygen demand
- Oxygen requirements
- Period of growth
- Photoactivation
- Photoperiodism
- Reproduction (biology)
- Respiration
- Rheotropism
- Shock (physiology)
- Sterility
- Sweat
- Taste
- Trace elements
- Urine
- Viability
- Vision
- Water balance
- Wilting
- Wilting point

0618
Radiobiology
- Radioecology

0619
Stress Physiology
- Fatigue (physiology)
- Heat resistance (biological)

0620
Toxicology
- Botulism
- Pesticide toxicity
- Phytotoxicity
- Poisons
- Toxicity
- Venoms

0700
Chemistry

0701
Chemical Engineering
- Accelerating (chemistry)
- Anion adsorption
- Anion exchange
- Cation adsorption
- Cation exchange
- Chemical engineering
- Chemical wastes
- Coalescence
- Deaeration
- Deflocculants
- Dehydration
- Desorption
- Dialysis
- Digestion
- Distillation
- Emulsifiers
- Flocculation
- Foam fractionation
- Foaming
- Foam separation
- Formulation
- Froth flotation
- Frothing
- Ion adsorption
- Ion diffusion
- Ion exchange
- Ion transport
- Leaching
- Membrane processes
- Neutralization
- Saline water systems
- Skimming
- Slaking
- Soaking
- Solvation
- Spraying

0702
Inorganic Chemistry
- Acidic water
- Alkali metals
- Alkaline earth metals
- Alkaline water
- Aluminum
- Aluminum compounds
- Alums
- Ammonia
- Ammonification
- Ammonium compounds
- Ammonium salts
- Argon
- Arsenic compounds
- Barium
- Bicarbonates
- Boron
- Boron compounds
- Bromine
- Cadmium
- Cadmium compounds
- Calcium
- Calcium carbonate
- Calcium chloride
- Calcium compounds
- Calcium hydroxide
- Calcium sulfate
- Carbon
- Carbonates
- Carbon compounds
- Carbon dioxide
- Carbon monoxide
- Carborundum
- Cesium
- Cesium compounds
- Chemical compounds
- Chemical elements
- Chlorides
- Chlorination
- Chlorine
- Chlorine compounds
- Chromium
- Chromium compounds
- Clathrates
- Cobalt
- Cobalt compounds
- Copper
- Copper compounds
- Copper sulfate
- Ferrites
- Fluorides
- Fluorine
- Fluorine compounds
- Germanium
- Germanium compounds
- Gold
- Halides
- Halogens
- Helium
- Hydrates
- Hydrogen
- Hydrogen sulfide
- Hydrolysis
- Inert gases
- Inorganic compounds
- Ionization
- Iron
- Iron compounds
- Iron oxides
- Lead (element)
- Lead compounds
- Lithium
- Lithium compounds
- Magnesium
- Magnesium carbonates
- Magnesium compounds
- Magnesium hydroxide
- Manganese
- Manganese compounds
- Mercury (metal)
- Mercury compounds
- Metals
- Molybdenum
- Molybdenum compounds
- Neon
- Nickel
- Nickel compounds
- Niobium
- Niobium compounds
- Nitrates
- Nitrogen
- Nitrogen compounds
- Nonmetals
- Oxidation
- Oxidation-reduction potential
- Oxides
- Oxygen
- Ozone
- Phosphates
- Phosphorus
- Phosphorus compounds
- Platinum
- Platinum compounds
- Plutonium
- Potassium
- Potassium carbonate
- Potassium compounds
- Radium
- Radium compounds
- Reducing agents
- Reduction (chemical)
- Salts
- Selenium
- Selenium compounds
- Silica
- Silicon
- Silicon compounds
- Silver
- Silver compounds
- Silver iodide
- Sodium
- Sodium arsenite
- Sodium carbonate
- Sodium chloride
- Sodium compounds
- Sodium nitrates
- Sodium phosphates
- Sodium silicate
- Sodium sulfate
- Sulfates
- Sulfides
- Sulfur
- Sulfur compounds
- Sulfuric acid
- Tin
- Tin compounds
- Titanium
- Titanium compounds
- Tungsten
- Tungsten compounds
- Vanadium
- Vanadium compounds
- Water
- Water structure
- Zinc
- Zinc compounds

0703
Organic Chemistry
- Acroleins
- Alcohols
- Aldehydes
- Aldrin
- Alkaloids
- Aluminum compounds
- Amino acids
- Ammonium compounds
- Aromatic compounds
- Aromatic solvents
- Arsenic compounds
- Benzene
- Boron compounds
- Cadmium compounds
- Calcium compounds
- Carbon compounds
- Cesium compounds
- Chemical compounds
- Chemical degradation
- Chemical oxygen demand
- Chlorine compounds
- Chrome lignins
- Chromium compounds
- Cobalt compounds
- Copolymers
- Copper compounds
- Denitrification
- Ethers
- Ethylene glycol
- Fatty alcohols
- Fermentation
- Fluorescein
- Fluorine compounds
- Fulvic acids
- Germanium compounds
- Hexadecanol
- Humic acids
- Hydrocarbons
- Hydrogenation
- Hydrolysis
- Ionization
- Iron compounds
- Lead compounds
- Lignins
- Lithium compounds
- Magnesium compounds
- Manganese compounds
- Mercury compounds
- Methane
- Molybdenum compounds
- Monomers
- Naptha
- Nickel compounds
- Niobium compounds
- Nitrification
- Nitrites
- Nitrogen compounds
- Nitroglycerin
- Octadecanol
- Organic acids
- Organic compounds
- Oxidation
- Phenols
- Phosphorus compounds
- Platinum compounds
- Potassium compounds
- Propane
- Radium compounds
- Reducing agents
- Reduction (chemical)
- Salts
- Selenium compounds
- Silicon compounds
- Silicones
- Silver compounds
- Sodium compounds
- Sulfonates
- Sulfur compounds
- Tin compounds
- Titanium compounds
- Ureas
- Vanadium compounds
- Zinc compounds

0704
Physical and General Chemistry
- Acidity
- Acids
- Aeration
- Aerosols
- Air entrainment
- Alkalinity
- Alkalis (bases)
- Anions
- Anisotropy
- Anodes
- Aqueous solutions
- Boiling
- Buffers (chemistry)
- Catalysts
- Cations
- Chelation
- Chemical analysis
- Chemical potential
- Chemical properties
- Chemical reactions
- Chemicals
- Chemical stability
- Chemical stratification
- Chromatography
- Coagulation
- Colloids
- Combustion
- Condensation
- Dehydration
- Desorption
- Dialysis
- Differential thermal analysis
- Dilution
- Dispersion
- Dissolved gases
- Dissolved oxygen

0704 (Con.)

Dissolved solids
Drops (fluids)
Dropwise condensation
Effervescence
Electrochemistry
Electrodialysis
Electrolysis
Electrolytes
Electrolytic cells
Electroosmosis
Electrophoresis
Emulsions
Energy conversion
Evaporation
Evaporation coefficient
Evaporation retardants
Films
Filtration
Freezing
Fused salts
Gas chromatography
Gases
Gels
Gravimetric analysis
Hardness (water)
Heated water
Heat of hydration
Hydration
Hydrogen bonding
Hydrosols (dispersions)
Ions
Isotropy
Latent heat
Liquefaction
Liquefied gases
Liquids
Melting
Mixtures
Moisture
Moisture content
Molecular structure
Molecular weight
Molecules
Monomolecular films
Neutralization
Osmosis
Osmotic pressure
Oxidizers
Oxygenation
Oxygen content
pH
Phase diagrams
Physical chemistry
Physicochemical properties
Polarographic analysis
Polymerization
Polymers
Precipitation (chemistry)
Qualitative analysis
Quantitative analysis
Reaeration
Salinity
Setting (materials)
Solidification
Solids
Solubility
Soluble salts
Solutes
Solutions
Solvation
Solvent extractions
Sorption
Specific heat
Steam
Sublimation
Surface tension
Thawing
Thermal capacity
Thermal decomposition
Thermal diffusion
Thixotropy
Vaporization
Vapor pressure
Vapors
Volumetric analysis
Water content
Water of crystallization
Water of hydration
Water vapor
Wettability
Wetting
Zeolites

0705
Radio and Radiation Chemistry

Radiochemical analysis
Radiochemistry

0800
Earth Sciences and Oceanography

0801
Biological Oceanography

Aquiculture
Benthos
Coral
Deep-water habitats
Fish farming
Marine algae
Marine animals
Marine bacteria
Marine fish
Marine plants
Saline water fish
Trophic level

0802
Cartography

Aerial reconnaissance
Aerial surveys
Baselines
Bench marks
Cadastral surveys
First order surveys
Grid systems
Mapping
Maps
Mosaics
Offsets
Photogrammetry
Plane surveying
Ranges (distance)
Reconnaissance surveys
Second order surveys
Surveying
Surveying instruments
Survey stations
Tellurometers
Theodolites
Topographic mapping
Topographic surveys
Triangulation nets

0803
Dynamic Oceanography

Aquatic drift
Beach erosion
Beaching
Bores (wave)
Drifting (aquatic)
Driftwood
Flotsam
Jetsam
Littoral drift
Littoral materials
Littoral zone
Ocean beaches
Ocean bottom
Ocean circulation
Ocean currents
Oceanography
Ocean waves
Rip currents
Seiches
Shoaling
Surf
Tidal effects
Tidal energy
Tidal hydraulics
Tides
Tsunamis
Turbidity currents
Wind tides

0804
Geochemistry

Geochemistry
Humic acids

0805
Geodesy

Geodesy
Geodetic surveys
Gravity studies
Sea level

0806
Geography

Alabama
Alaska
Alpine
Antarctic
Arctic
Arid lands
Arizona
Arkansas
Atolls
Bayous
Bays (topographic features)
Berms
Biogeography
Bogs
California
Canyons
Cities
Coastal plains
Coasts
Cold regions
Colorado
Connecticut
Corn belt
Craters
Delaware
Deltas
Deserts
Dunes
Elevation
Flood plains
Florida
Foreign countries
Geographical regions
Geography
Georgia
Glaciers
Grasslands
Gulfs
Gullies
Guts
Hawaii
Humid areas
Idaho
Illinois
Indiana
Inland waterways
Inlets (waterways)
Iowa
Islands
Kansas
Kentucky
Lake shores
Land
Land forms
Louisiana
Maine
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
Missouri
Montana
Mountains
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Oceans
Ohio
Oklahoma
Oregon
Orography
Pennsylvania
Polar regions
Reefs
Rhode Island
Rural areas
Seashores
Semiarid land
Shores
Slopes
South Carolina
South Dakota
Stream valley
Subhumid areas
Tennessee
Terrain
Terrain analysis
Texas
Topography
Tropical regions
Tundra
United States
Utah
Valleys
Vermont
Virginia
Washington
Watersheds (divides)
West Virginia
Wisconsin
Wyoming

0807
Geology and Mineralogy

Accelerated erosion
Acidic rocks
Aeolian soils
A horizon
Alluvial deposits
Alluvium
Andesite
Anhydrite
Arroyos
Azonal
Basalt
Basic rocks
Beach sands
Bedrock
Beds (geology)
Beidellite
Bentonite
B horizon
Borehole geophysics
Boulders
Breccia
Brown soils
Calcareous rocks
Calcite
Caliche
Carbonate minerals
Carbonate rocks
Caves
Cenozoic era
Chalk
Chernozems
Chert
Chestnut soils

0807 (Con.)

C horizon
Cirques
Clay loam
Clay minerals
Clays
Clay shales
Claystones
Coal
Cobbles
Colluvium
Conglomerate rocks
Cores
Crevasses
Crystalline rocks
Debris avalanches
Deep subsidence
Detrital soils
Detritus
Diabase
Diagenesis
Diamonds
Diatomaceous earth
Diatomite
Diorite
Dolomite
Dugouts
Dune sands
Earth movements
Electrical prospecting
Eluvium
Engineering geology
Erosion
Expansive clays
Expansive soils
Faults (geology)
Feldspars
Fen
Finegrained soils
Fine-textured soils
Fissures (geology)
Fjords
Folds (geology)
Foliation
Forest soils
Fossils
Foundation rocks
Fractures (geology)
Freshwater marshes
Gabbro
Geological surveys
Geologic control
Geologic deposits
Geologic formations
Geologic investigations
Geologic mapping
Geologic maps
Geologic structures
Geologic time
Geology
Geomorphology
Geophysical prospecting
Geophysics
Geothermal prospecting
Geothermal studies
Glacial deposits
Glacial geology
Glacial soils
Glaciation
Gneiss
Granite
Graphite
Gravels
Gravimetric prospecting
Gray-brown podzolic soils
Grit
Groundwater geology
Gully erosion
Gumbo
Gypsum
Hardpan
Hot springs
Humus
Hydrogeology
Hydrosols (soils)
Igneous rocks
Illite
Impervious soils
In situ rock
Intermediate rocks
Joints (geology)
Juvenile water
Kaolin
Kaolinite
Karst
Lacustrine deposits
Lake morphology
Lake soils
Land forms
Landslides
Laterites
Lava
Lenses (soils)
Lignite
Limestone
Lithification
Loams
Loess
Magma
Marble
Marine clays
Marine geology
Marl
Mass wasting
Mesozoic era
Metamorphic rocks
Meteoric water
Mica
Microseisms
Mineral analysis
Mineral content
Mineralogy
Minerals
Mineral water
Montmorillonite
Moraines
Muck
Mud
Mud flats
Mudflows
Mudstone
Mud-water interfaces
Muskeg
Oil reservoirs
Oil shale
Ores
Organic clays
Organic matter
Organic silts
Organic soils
Outcrops
Paleoclimatology
Paleontology
Paleosols
Paleozoic era
Palynology
Peat
Peat bog
Pedalfers
Pedocals
Pegmatites
Perlite
Pervious soils
Petrofabrics
Petrographic investigations
Petrography
Petrology
Photogeology
Piping (erosion)
Playas
Pleistocene epoch
Plutonic rocks
Podzols
Potholes
Prairie soils
Precambrian eras
Pumice
Pyrite
Quartz
Quartzite
Quaternary period
Quick clays
Quicksand
Ravines
Recent epoch
Red podzolic soils
Residual soils
Resistivity surveys
Rhyolite
Rill erosion
Ripple marks
Rock alteration
Rockfalls
Rock flour
Rock glaciers
Rock noise
Rock properties
Rocks
Rockslides
Saline soils
Salt marshes
Sand bars
Sands
Sand spits
Sandstone
Schist
Sedimentary basins (geological)
Sedimentary petrology
Sedimentary rocks
Sedimentary structures
Sedimentary tuff
Sediment deposits
Sedimentology
Sediment production
Sediments
Seismic prospecting
Serpentine
Shale
Sheet erosion
Sierozems
Silicates
Silts
Siltstone
Silty loams
Sinkholes
Sinks
Slate
Soil aggregates
Soil analysis
Soil chemistry
Soil erosion
Soil formation
Soil gases
Soil groups
Soil horizons
Soil maps
Soil profiles
Soils
Soil structure
Soil surveys
Soil temperature
Soil texture
Soil types
Soil water
Solifluction
Soluble rocks
Strata
Stratigraphy
Structural geology
Subsoil
Subsurface investigations
Subsurface mapping
Syenite
Talc
Talus
Terrace deposits
Terraces (geological)
Tertiary period
Topsoil
Travertine
Tuff
Ultrabasic rocks
Underground openings
Vadose water
Varves
Vermiculite
Volcanic ash
Volcanic rocks
Volcanoes
Water gaps
Well logging
Yellow podzolic soils
Zeolites

0807.1
Rock Mechanics

Flat jack method
Rock competency
Rock density
Rock mechanics
Rock pressures
Rock slope stability

0808
Hydrology and Limnology

Aggradation
Agricultural watersheds
Alluvial channels
Alluvial streams
Annual floods
Aphotic zone
Area capacity curves
Artificial watercourses
Average flow
Backwater
Backwater profiles
Bank erosion
Base flow
Basins
Bed load
Bedload movement
Bed movements
Bed ripples
Bed roughness
Beds
Beds under water
Bodies of water
Bottom sediments
Brackish water
Braiding
Bypasses
Capacity reduction
Catchments
Channel beds
Channel erosion
Channel morphology
Channels
Chemical dilution method
Closed basins
Coastal marshes
Consumptive use (water)
Critical tractive force
Currents (water)
Dead storage
Degradation (stream)
Demonstration watersheds
Density currents
Density-flow
Density stratification
Depression storage
Depth-area curves
Depth-area-duration analysis
Design flood
Design flow
Design storm
Desilting
Developed waters
Discharge measurement
Diversion
Draft-storage curves
Drainage basins
Drawdown curves
Dry beds
Duration curves
Earth-water interfaces
Effluent streams
Ephemeral streams
Epilimnion
Estuaries
Evapotranspiration
Evapotranspiration control
Excess water (soils)
Farm ponds
Flash floods

0808 (Con.)

Flood estimate
Flood forecasting
Flood frequency
Flood hydrographs
Flood hydrology
Flood peaks
Flood plain studies
Floods
Flood stages
Flood waves
Floodways
Flow augmentation
Flow duration
Flow duration curves
Flow profiles
Fluvial hydraulics
Fluvial morphology
Fresh water
Grassed waterways
Great ponds
Groundwater hydrology
Headwaters
Historic flood
Hydrograph analysis
Hydrographic surveys
Hydrographs
Hydrography
Hydrologic aspects
Hydrologic budget
Hydrologic cycle
Hydrologic data
Hydrologic equation
Hydrologic properties
Hydrology
Hydrophase diagrams
Hypolimnion
Inflow
Influent streams
Interbasin water transfers
Interception
Interfluves
Intermittent streams
Interstate rivers
Lagoons (landforms)
Lake basins
Lake beds
Lake morphometry
Lakes
Lake stages
Large watersheds
Late impoundment
Lentic environments
Limnology
Lotic environment
Low flow
Low-flow augmentation
Mangrove swamps
Marshes
Marsh management
Mass curves
Maximum probable flood
Meanders
Melt water
Meromixis
Moisture availability
Moisture deficit
Moisture tension
Moisture uptake
Natural flow
Natural streams
Natural use
Navigable rivers
Navigable waters
Non-navigable waters
Non-perennial streams
Obstruction to flow
Open channels
Overflow
Overland flow
Paleohydrology
Paleolimnology
Pan evaporation
Parametric hydrology
Peak discharge
Peak floods
Peak runoff
Perennial streams
Playa lakes
Pondage
Ponds
Potamology
Potential evapotranspiration
Pre-impoundment
Profundal zone
Provenance
Rainfall-runoff relationships
Rain water
Rational formula
Recession curves
Recirculated water
Regime
Regimen
Regime theory
Regional flood
Regulated flow
Reregulation
Retardance
Retention
Return flow
Riparian water loss
Riparian waters
River basins
River beds
River currents
River flow
River forecasting
River regulation
Rivers
River systems
Running waters
Runoff
Runoff coefficient
Runoff forecasting
Safe yield
Sagponds
Saline lakes
Saline water
Saline water intrusion
Saltation
Sand boils
Sand waves
Scour
Scum
Sea water intrusion
Sedimentation rates
Sediment concentration
Sediment control
Sediment discharge
Sediment distribution
Sediment load
Sediment transport
Sediment-water interfaces
Sediment yield
Settling velocity
Shallow water
Sheet floods
Sheet flow
Silting
Slime
Small watersheds
Snow management
Snowmelt
Snowpacks
Snow surveys
Soil water storage
Spillway design flood
Springs (water)
Spring waters
Stage-discharge relations
Stagnant water
Standing waters
Stock ponds
Storm runoff
Streambed profiles
Streambeds
Stream channels
Stream drainage patterns
Stream erosion
Streamflow
Streamflow depletion
Streamflow forecasting
Streamflow records
Streamflow regulation
Stream meandering
Streams
Surface runoff
Surface storage
Surface waters
Suspended load
Suspended sediments
Suspended solids
Swamps
Synthetic hydrology
Thalweg
Thermal stratification
Thermal water
Throughfall
Tidal marshes
Tidal waters
Time lag
Time of concentration
Tractive forces
Trap efficiency
Tributaries
Turnovers
Unit hydrographs
Upstream
Use rates
Vegetation effects
Washouts
Waste water
Waste water use
Water balance
Water budget
Water chemistry
Water circulation
Water consumption
Water equivalent
Waterfalls
Water harvesting
Water holes
Water level fluctuations
Water levels
Water loss
Watersheds (basins)
Water shortage
Water sources
Water supply
Water supply forecasting
Water surface
Water surface profiles
Water temperature
Water transfer
Water types
Water year
Water yield
Water yield improvement
Water zoning
Weber number
Wetlands
Wild rivers

0808.1
Drainage and Groundwater

Aquicludes
Aquifer characteristics
Aquifer model
Aquifers
Aquifer tests
Aquitards
Artesian aquifers
Artesian water
Artesian wells
Artificial recharge
Bank storage
Barometric efficiency
Bound water
Bouyoucos blocks
Buried membranes
Capillary fringe
Capillary water
Chimney drains
Cold springs
Confined water
Connate water
Controlled drainage
Deep percolation
Deep water
Deep-well pumping
Deep wells
Disposal wells
Dowsing
Drainage
Drainage density
Drainage effects
Drainage engineering
Drainage practices
Drainage programs
Drainage systems
Drainage water
Drainage wells
Drains
Drain spacing
Drawdown
Dupuit-Forchheimer theory
Encroachment
Field capacity
Flooding
Flow nets
French drains
Fringe water
Furrow drainage
Geohydrologic units
Geysers
Gravitational water
Groundwater
Groundwater barriers
Groundwater basins
Groundwater depletion
Groundwater flow
Groundwater management
Groundwater mining
Groundwater mounds
Groundwater movement
Groundwater potential
Groundwater quality
Groundwater recharge
Groundwater sources
Horizontal drains
Hygroscopic water
Induced infiltration
Injection wells
Irrigation wells
Lake bottom springs
Malenclaves
Mole drainage
Natural recharge
Observation wells
Open drains
Outflows
Overdraft
Perched water
Perched water table
Percolating water
Percolation
Percolation tests
Permeability
Permeability coefficients
Permeability tests
Phreatic lines
Phreatic water
Pit recharge
Porous media flow
Potentiometric level
Pumping tests (wells)
Rapid drawdown
Recharge
Recharge wells
Relief wells
Saline groundwater
Salt balance
Salt water barriers
Sand drains
Saturated flow
Saturated soils
Saturation zones
Seepage
Seepage control
Seepage losses
Shallow wells
Soil moisture movement
Soil water movement
Soil-water relationship

0808.1 (Con.)

Specific capacity
Specific retention
Specific yield
Spreading basins
Storage capacity
Storage coefficient
Storm drains
Strip aquifers
Subsurface drainage
Subsurface drains
Subsurface flow
Subsurface moisture
Subsurface runoff
Subsurface waters
Superimposed drainage
Surface drainage
Surface-groundwater relationships
Theis equation
Thermal springs
Thiems equation
Thiem test
Tile drainage
Tile spacing
Toe drains
Transmissibility coefficient
Transmissivity
Two-part aquifers
Underdrains
Underflow
Underground storage
Underground streams
Underground water storage
Underseepage
Unsaturated flow
Usable storage
Vertical drains
Warm springs
Waterlogged land
Water spreading
Water table
Water wells
Well casings
Well filters
Wells
Well screens
Well spacing
Well yield
Zone of aeration
Zone of saturation

0808.2
Water Resources

Conjunctive use
Hydroelectric resources
Water conservation
Water plans
Water requirements
Water resources
Water resources management
Water utilization

0809
Mining Engineering

Coal mines
Coal mine wastes
Deep-well pumping
Deep wells
Drift mining
Drilling fluids
Exploitation
Groundwater mining
Hydraulic mine-filling
Hydraulic mining
Hydraulic mining water
Mine acids
Mine drainage
Mines
Mine wastes
Mine water
Mining
Mining engineering
Oil fields
Oil wastes
Oil wells
Open pit mining
Ores
Panning
Placer mining
Quarries
Quarrying
Secondary recovery (oil)
Shafts (excavations)
Shafts (mining)
Spoil banks
Stopes
Strip mine lakes
Strip mines
Strip mine wastes
Wells

0810
Physical Oceanography

Aphotic zone
Aquatic soils
Bathymetry
Bathythermographs
Beaches
Continental margin
Continental shelf
Continental slope
Deltas
Estuaries
Intertidal areas
Neritic
Oceanography
Reefs
Sea spray
Sea water
Shoals
Thermocline
Tripton

0811
Seismology

Design earthquake
Differential displacements
Earth movements
Earthquake damage
Earthquake engineering
Earthquake focus
Earthquakes
Earthquake theory
Epicenters
Seismic investigations
Seismic refraction
Seismic studies
Seismic tests
Seismic velocity
Seismic waves
Seismographs
Seismology

0812
Snow, Ice, and Permafrost

Anchor ice
Avalanches
Cryology
Deicers
Deicing
Floating ice
Frazil ice
Freeze-thaw cycle
Frost action
Frost heaving
Frost prevention
Frozen soils
Glaciers
Ice
Icebergs
Ice breakup
Ice cover
Ice crystals
Iced lakes
Ice formation
Ice jams
Ice lenses
Ice pressure
Ice prevention
Lake ice
Permafrost
Sea ice
Slush
Snow
Snow cover
Snow management
Snowpacks
Snow surveys

0813
Soil Mechanics

Active pressure
Adsorbed water
Air void ratio
Anaerobic soils
Angle of repose
At rest pressure
Atterberg limits
Auger borings
Backfills
Bank stability
Bearing capacity
Bubbling pressure
Calcareous soils
Caliche
California bearing ratio
Cohesionless soils
Cohesive soils
Cohesive strength
Compacted soils
Compaction tests
Compressible soils
Critical slopes
Disturbed samples
Drained shear tests
Dry density
Earth pressure
Embankment subsidence
Hydraulic fills
Land subsidence
Lime soil mixtures
Liquefaction
Liquid limit
Loose soils
Mohr circle
Mohr envelope
Mohr failure theory
Negative pore pressure
Optimum moisture content
Overburden
Overconsolidation
Passive pressure
Penetration resistance
Plasticity index
Plastic limits
Ponding
Ponding tests
Pore air pressure
Pore pressure
Pore water pressure
Preconsolidated soils
Preconsolidation
Proctor curves
Quick clays
Quicksand
Rapid compaction control
Relative consistency
Relative density
Remolded soil samples
Saturated soils
Settlement (structural)
Shallow subsidence
Slip-circle method
Slip planes
Slip surface
Slope stability
Slope stabilization
Soil amendments
Soil analysis
Soil chemical properties
Soil classifications
Soil compaction
Soil components
Soil compression tests
Soil consolidation tests
Soil density
Soil dispersants
Soil dynamics
Soil engineering
Soil environment
Soil groups
Soil investigations
Soil liquefaction
Soil mechanics
Soil moisture
Soil physical properties
Soil physics
Soil plasticity
Soil pressure
Soil properties
Soil resistivity
Soils
Soil science
Soil shrinkage
Soil stability
Soil stabilization
Soil strength
Soil structure
Soil suction
Soil surfaces
Soil surveys
Soil tests
Soil texture
Soil treatment
Soil types
Soil water
Stability analysis
Trafficability
Unconsolidated soils
Underconsolidation
Undisturbed samples
Undisturbed soils
Undrained shear tests
Uniformity coefficient
Unsaturated soils
Uplift pressure
Uplift resistance
Visual classifications
Void ratio

0814
Geomagnetism

Magnetic surveys
Terrestrial magnetism

0900
Electronics and Electrical Engineering

0901
Components

Airblast circuit breakers
Air gaps
Air switches
Anodes
Capacitors
Cathodes
Circuit breakers
Circuit protection
Circuits
Coaxial cables
Commutators
Connectors (electrical)
Delay circuits
Diodes
Disconnecting switches
Electrical equipment
Electrical insulation
Electrical insulators
Electrical restrikes
Electric conductors
Electric fuses
Electric relays
Electric shunts
Electric switches

0901 (Con.)

Electric terminals
Electric wire
Electrodes
Electromagnetic wave filters
Electron tubes
Integrated circuits
Interrupters
Interrupter switches
Interrupting capacity
Lightning arresters
Oscillators
Power system stability
Protection (electrical)
Protective relaying
Resistors
Shunt reactors
Shunt resistors
Slip rings
Stranded conductors
Submarine cables
Suspension insulators
Switchgear
Switching
Switching circuits
System stability (electric)
Thermistors
Thyristors
Transducers
Transistors
Variable resistors
Withstand level (electric)

0901.1
Electric Power Transmission

Bundled conductors
Buried cables
Bus (electrical)
Earth resistivity (electrical)
Electric cables
Electric corona losses
Extra long distance
Galloping conductors
Ground currents
Ground return
Interconnected systems
Line switching
Load centers
Load-frequency control
Loops (electrical)
Oil-filled cables
Overhead ground wire
Power dispatching
Power grids
Power interchange
Power loads
Power pooling
Rural electrification
Terminal facilities (electrical)
Transmission (electrical)
Transmission lines
Transmission loss
Tuned transmission
Underground cables
Underground transmission lines
Wood-pole transmission lines

0902
Computers

Analog computers
Analog to digital converters
Batch processing (data)
Calculators
Computer applications
Computer models
Computer programming
Computer programs
Computers
Computer storage devices
Computer systems hardware
Computer systems programs
Data processing
Data reduction
Digital computers
Digital systems
Digital to analog converters
Hybrid computers
Magnetic tapes
Programming languages
Punched tapes

0903
Electronic and Electrical Engineering

Base loads
Electrical design
Electrical engineering
Electrical grounding
Electrical industry
Electrical shocking gear
Electrical studies
Electric motors
Electric networks
Electric power
Electric power distribution
Electric power failure
Electric power industry
Electric power losses
Electric power surveys
Electric wiring
Electronic equipment
Electronics
Firm energy
Generating capacity
Generator-motors
Ground mats
Induction motors
Installed capacity
Interrupting capacity
Load factors
Load rejection
Mobile substations
Network analysis
Overloads
Power operation & maintenance
Power supplies
Power system operations
Power system stability
Protective relaying
Short circuits
Substations (electrical)
Supervisory control (power)
Switchyards (electrical)
Synchronous machines
System stability (electric)
Voltage regulation
Windings (electrical)
Withstand level (electric)

0904
Information Theory

Data transmission
Data transmission systems
Information theory

0905
Subsystems

Amplifiers
Antennas
Autotransformers
Circuits
Converters (electrical)
Current transformers
Frequency converters
Frequency stabilizers
Microphones
Piezoelectric transducers
Potential transformers
Power cables
Power transformers
Rectifiers
Signal generators
Timing circuits
Transformers
Voltage dividers
Voltage regulators

0906
Telemetry

Telemetry
Telemetry systems

1000
Nonpropulsive Energy Conversion

1001
Conversion Techniques

Electric power production
Hydroelectric power
Thermal power

1002
Power Sources

Electric generators
Electric reactors
Generator-motors
Inverters
Magnetos
Motor generators
Motors
Standby power
Turbogenerators

1002.1
Electric Powerplants

Electric powerplants
Geothermal powerplants
Hydroelectric powerplants
Peaking capacities
Peak loads (electric)
Peak power
Potential hydropower
Powerplants
Spinning reserve
Thermal powerplants
Tidal powerplants

1003
Energy Storage

Electric batteries

1100
Materials

1101
Adhesives and Seals

Adhesives
Chemical sealants
Gaskets
Joint fillers
O-ring seals
Plugs
Sealants
Seal coat
Sealing compounds
Seal rings
Seals (stoppers)
Soil sealants
Water-borne sealants
Water seals
Water stops

1102
Ceramics, Refractories, and Glasses

Ceramic materials
Glass
Laminated glass

1103
Coatings, Colorants, and Finishes

Blistering
Coal tar coating
Coal-tar epoxy paints
Coatings
Dyes
Enamels
Films
Finishes
Galvanizing
Holidays (coatings)
Lacquers
Metal coatings
Paints
Pigments
Plastic coatings
Primers (coatings)
Protective coatings
Stains
Varnishes
Vinyl-resin coatings
Weatherproofing

1104
Composite Materials

Composite materials
Fillers
Laminated plastics
Laminated wood
Laminates
Substrates

1105
Fibers and Textiles

Asbestos
Fibers
Fibers (plant)
Glass fibers
Nets
Rayon
Synthetic fibers
Textiles

1106
Metals

Alloys
Aluminum alloys
Bars
Blast furnaces
Brass
Bronzes
Cadmium alloys
Calcium alloys
Carbon alloys
Carbon steels
Castings
Cast iron
Cast steel
Chromium alloys
Cobalt alloys
Cold-rolled steel
Copper alloys
Ferrites
Filaments
Germanium alloys
Grain structure (metals)
Heat resistant alloys
Heavy metals
High strength steels
Iron alloys
Lead alloys
Lithium alloys
Low alloy steels
Low carbon steel
Magnesium alloys
Manganese alloys
Metallurgy
Metals
Metals treatment
Microstructure
Mill scale
Molybdenum alloys

1106 (Con.)

Nickel alloys
Niobium alloys
Passive metals
Phosphorus alloys
Platinum alloys
Potassium alloys
Refractory metals
Selenium alloys
Silicon alloys
Silver alloys
Sodium alloys
Stainless steel
Steel
Steel industries
Steel plates
Structural steel
Tin alloys
Titanium alloys
Tungsten alloys
Vanadium alloys
Wire
Wire rope
Wrought iron
Zinc alloys

1107
Miscellaneous Materials

Absorbers
Activated carbon
Additives
Admixtures
Adsorbents
Aggregates
Air entraining agents
Antifreeze
Bedding materials
Binders
Bitumens
Bituminous materials
Borings
Brines
Casings
Cinders
Clinker
Coagulants
Coal tar
Creosote
Curing compounds
Debris
Deleterious materials
Desiccants
Dry ice
Dust
Emulsifying agents
Flocculants
Fly-ash
Foam
Foreign products
Fragmented materials
Granular materials
Inhibitors
Lime
Linings
Mastics
Mechanical insulation
Membranes
Moldings
Oxidizers
Permselective membranes
Pervious membranes
Petroleum
Pitch (materials)
Porous materials
Porous media
Protective coverings
Resins
Retardants
Semipermeable membranes
Sheets
Slags
Slurries
Steel linings
Tapes
Thermal insulation
Waxes
Wetting agents
Wood preservatives
Wood preservatives (pesticides)

1108
Oils, Lubricants, and Hydraulic Fluids

Greases
Insulating oil
Linseed oil
Lubricants
Lubrication
Oils
Transformer oils

1109
Plastics

Alkyd resins
Epoxy resins
Glass reinforced plastics
Nylon
Phenolic resins
Plastics
Polyester resins
Polyethylene
Polystyrene
Polysulfide resins
Polyurethane resins
Polyvinyl alcohol
Polyvinyl chloride
Reinforced plastics
Styrene resins
Synthetic resins
Thermoplastic resins
Thermosetting resins
Vinyl resins

1110
Rubbers

Elastomers
Foam rubber
Rubber
Synthetic rubber

1111
Solvents, Cleaners, and Abrasives

Abrasives
Alkylbenzene sulfonates
Detergents
Dispersants
Linear alkylate sulfonates
Soaps
Solvents
Surfactants

1112
Wood and Paper Products

Cellulose
Cork
Fiberboards
Hardwood
Paper
Plywoods
Sawdust
Softwood
Sulfite liquors
Wood
Wood wastes

1113
Corrosion and Degradation

Abrasion
Abrasion resistance
Aging (physical)
Atmospheric corrosion
Biodegradation
Cathodic protection
Chalking
Corrosion
Corrosion control
Corrosion currents
Corrosion environments
Corrosion resistance
Corrosion tests
Cracks
Decomposing organic matter
Decomposition
Degradation (decomposition)
Disintegration
Fissures
Galvanic corrosion
Incrustation
Pitting
Rust control
Rusting
Scale (corrosion)
Scale prevention
Scaling
Sea water corrosion
Stray current corrosion
Stress corrosion
Underground corrosion
Underwater corrosion
Wear resistance

1200
Mathematical Sciences

1201
Mathematics and Statistics

Algebra
Algorithms
Analog models
Angles (geometry)
Approximation method
Area
Areal
Average
Boundary values
Calculations
Calculus
Circles (geometry)
Computation
Cones (mathematics)
Coordinates
Correlation analysis
Correlation techniques
Curve fitting
Curves
Differential equations
Dimensional analysis
Equations
Finite difference method
Finite differences
Fourier analysis
Frequency analysis
Frequency curves
Frequency distribution
Gaussian distribution
Geometry
Graphical analysis
Histograms
Hodographs
Indexes (ratios)
Integrals
Integration (mathematics)
Laplace equation
Least squares method
Leontief models
Linear algebra
Linear systems
Markov processes
Mathematical analysis
Mathematical logic
Mathematical models
Mathematical studies
Mathematical tables
Mathematics
Matrix algebra
Monte Carlo method
Multiple regression
Nomographs
Normalizing
Numerical analysis
Optimization
Peak values
Probability theory
Regression analysis
Relaxation method
Scale (ratio)
Sequential analysis
Series (mathematics)
Slope angles
Spirals
Standard deviation
Statistical analysis
Statistical models
Statistics
Stochastic models
Stochastic processes
Tensor analysis
Time series analysis
Trigonometry
Variation coefficients
Vector analysis

1202
Operations Research

Dynamic programming
Game theory
Input-output analysis
Linear programming
Operations research
Queueing theory

1300
Mechanical, Industrial, Civil, and Marine Engineering

1301
Air Conditioning, Heating, Lighting, and Ventilating

Air circulation
Air conditioning
Boiler feed water
Boilers
Coolants
Cooling
Cooling systems
Cooling towers
Cooling water
Fans
Feed water
Furnaces
Heaters
Heat exchangers
Heating
Heating plants
Heat pumps
Induction heating
Kilns
Lighting
Lighting equipment
Louvers
Ovens
Radiators
Refrigerants
Refrigeration
Refrigerators
Ventilation
Vents
Water cooling

1302
Civil Engineering

Air pollution

1302 (Con.)

Air pollution control
Air pollution effects
Aprons
Area redevelopment
Bank protection
Banks
Bank stabilization
Bench marks
Boreholes
Buried metalwork
Channeling
City planning
Civil engineering
Coastal engineering
Core drilling
Crossings
Desilting method
Desilting works
Ditches
Drainage engineering
Dust control
Earthworks
Electric utilities
Embankments
Evaporation control
Fills
Frost protection
Grading (earthwork)
Hydraulic engineering
Incinerators
Jacks (structural shape)
Land development
Land reclamation
Landscaping
Land use
Monuments
Multiple purpose projects
Navigable rivers
Navigable waters
Open drains
Parking areas
Pollution abatement
Pollution control
Position finding
Public utilities
Public works
Pumping plants
Railroad relocation
Resource development
River basin development
Shore protection
Slope protection
Spoil
Stable channels
Sumps
Surveys
Trenches
Urban renewal
Utilities
Water control
Water management (applied)
Water recirculation
Water resources development
Water reuse
Water salvage
Water utilization
Waterways
Weepholes

1302.1

Sanitary Engineering

Activated sludge
Aerobic treatment
Anaerobic digestion
Biochemical oxygen demand
Centrifugation
Cesspools
Digestion tanks
Distribution systems
Domestic wastes
Domestic water
Effluent reuse
Effluents
Environmental sanitation
Farm lagoons
Flocculation basins
Fluoridation
Garbage
Garbage dumps
Hydrants
Industrial wastes
Industrial waste treatment
Industrial water
Lagoons (ponds)
Landfills
Liquid wastes
Manholes
Municipal wastes
Municipal water
Organic loading
Organic wastes
Oxidation lagoons
Plumbing
Potable water
Pre-treatment (water)
Reclaimed water
Recreation wastes
Refuse disposal
Sanitary engineering
Sanitation
Sedimentation tanks
Septic tanks
Sewage
Sewage bacteria
Sewage disposal
Sewage effluents
Sewage lagoons
Sewage sludge
Sewage stabilization
Sewage treatment
Sewage treatment plants
Sewage works
Sewerage
Sewers
Sludge
Sludge digestion
Sludge disposal
Sludge treatment
Soil disposal fields
Solids contact process
Solid wastes
Tertiary treatment
Toxic waste disposal
Trickling filters
Ultimate disposal
Waste assimilative capacity
Waste dilution
Waste disposal
Waste dumps
Waste stabilization ponds
Waste storage
Waste treatment
Waste water (pollution)
Waste water disposal
Waste water treatment
Water distribution (applied)
Water purification
Water quality
Water quality control
Water softening
Water supply
Water supply systems
Water treatment
Water treatment plants
Waterworks

1302.2

Water Pollution

Acid mine water
Acid streams
Impaired water quality
Oily water
Path of pollutants
Pollutant identification
Pollutants
Self-purification
Stream pollution
Thermal pollution
Water pollution
Water pollution control
Water pollution effects
Water pollution sources
Water pollution treatment
Water quality
Water quality control
Water quality standards

1302.3

Flood Control

Flood control
Flood damage
Flood plain zoning
Floodproofing
Flood protection
Flood routing
Floodwater
River training
Stream improvement
Stream stabilization

1302.4

Highway Engineering

Access roads
Access routes
Base courses
Concrete pavements
Flexible pavements
Highway beautification
Highway effects
Highway engineering
Highway icing
Highway relocation
Highways
Horizontal curves
Pavements
Paving
Rigid pavements
Roadbanks
Road design
Roads
Scenic highways
Seal coat
Snow removal
Streets
Subbase
Subgrade

1302.5

Demineralization

Brine disposal
Demineralization
Demineralization cells
Demineralizers
Desalination
Desalination apparatus
Desalination plants
Desalination processes
Distillation
Evaporators
Flash distillation
Flash evaporators
Flash freezing
Long-tube vertical distillation
Multistage flash distillation
Nuclear desalting
Reverse osmosis
Solar distillation
Solar stills
Transport depletion
Vapor compression distillation

1302.6

Reservoirs

Afterbays
Cisterns
Dead storage
Detention reservoirs
Early impoundment
Equalizing reservoirs
Evaporation reservoirs
Farm ponds
Forebays
Impounded waters
Impoundments
Lagoons (ponds)
Multiple purpose reservoirs
Post-impoundment
Pumped storage
Reservoir capacity
Reservoir design
Reservoir evaporation
Reservoir leakage
Reservoir operation
Reservoirs
Reservoir silting
Reservoir sites
Reservoir stages
Reservoir storage
Reservoir surveys
Reservoir yield
Selective level releases
Usable storage
Water storage

1303

Construction Equipment, Materials, and Supplies

Adobe
Asphalt cement
Asphalt emulsions
Asphalt membranes
Asphalt plants
Asphalts
Belt conveyors
Bituminous cements
Bituminous concretes
Bituminous materials
Borrow areas
Borrow materials
Borrow pits
Bricks
Building materials
Bulldozers
Canal sealants
Catalytically blown asphalt
Cationic asphalt emulsions
Caulking
Caulking compounds
Cement grouts
Charges (explosives)
Chemical grouts
Clamshells
Clay masonry
Coarse aggregates
Compaction equipment
Concrete masonry
Concrete pipes
Concrete plants
Construction equipment
Construction materials
Construction plants
Crushed stone
Cutback asphalts
Deformed bars
Dismantling
Draglines
Drain tiles
Dredges
Drill holes
Drum rollers
Earthfill
Earth handling equipment
Earth materials
Embedded instruments
Embedded materials
Embedded metal
Encasement
Epoxy mortar
Excavators
Fine aggregates
Flexible linings
Gravel pits
Grout stops
High-bond reinforcing bars
Ladders
Lagging
Loaders

1303 (Con.)

Lumber
Masonry
Materials control
Materials failure
Mattresses
Mesh reinforcement
Metalwork
Mortars
Packers (grouting)
Panels
Pea gravel
Pit run materials
Pits
Plaster
Plates
Pneumatic tired rollers
Precast concrete
Prestressed concrete
Reinforcing materials
Reinforcing steels
Rental equipment
Rigid pipes
Riprap
Rock crushers
Roofing materials
Rubble
Rubble masonry
Sand pits
Scaffolds
Scarifiers
Screeds
Screens
Selected materials
Sheepsfoot rollers
Sheeting
Sheet piling
Shields
Shovels
Slip forms
Soil asphalt
Soil cement
Stones
Structural shapes
Tamping rollers
Terrazzo
Thick plates
Thin plates
Tiles
Timbers
Tramways
Transit mixers
Tremie concrete
Tunneling machines
Welding torches
Wellpoints
Wheel excavators

1303.1
Concrete Technology

Alkali aggregate reactions
Architectural concrete
Asbestos cement
Autogenous healing
Bleeding (concrete)
Cement-aggregate reaction
Cements
Concrete additives
Concrete control
Concrete finishing
Concrete mixes
Concrete placing
Concrete products
Concrete properties
Concretes
Concrete technology
Curing compounds
Cyclopean concrete
Dry pack mortar
Efflorescence
Expanding cements
Expansive concrete
False set
Fog-curing
High strength concretes
Initial set
Laitance
Lightweight aggregates
Lightweight concretes
Low alkali cements
Low heat cements
Mass concrete
Polymer concretes
Portland cements
Pozzolans
Prepacked concrete
Pumped concrete
Reinforced concrete
Retarding agents
Set-retarding agents
Shotcrete
Structural concrete
Sulfate attack
Sulfate-resisting cements
Vacuum concrete
Water-cement ratio
Water-reducing agents

1304
Containers and Packaging

Bins
Buckets
Containers
Drums
Hoppers
Labels
Storage tanks
Tanks (containers)
Vessels

1305
Couplings, Fasteners, and Joints

Adapters
Anchor bolts
Bolted joints
Bolts
Bushings
Butt joints
Chains
Circumferential joints
Clamps
Closures
Collars
Compression fittings
Connectors (mechanical)
Construction joints
Contraction joints
Couplings
Dowels
Expansion joints
Fasteners
Fillet welds
Fittings
Flexible couplings
Hinges
Hooks
Horizontal joints
Hose fittings
Joints (connections)
Lap joints
Longitudinal joints
Mechanical fasteners
Nails
Pin connected joints
Pins (mechanical)
Pipe joints
Riveted joints
Rock bolts
Roof bolts
Screws
Spacers
Spot welding
Straps
Studs
Tapered joints
Transverse joints
Universal joints
Vertical joints
Welded joints
Welds

1306
Ground Transportation Equipment

Automobiles
Hauling
Locomotives
Motor vehicles
Railroads
Sleds
Tires
Tractors
Trailers
Vehicles
Wheels

1307
Hydraulic and Pneumatic Equipment

Air chambers
Air compressors
Compressed air
Compressors
Hydraulic equipment
Hydraulic systems
Nozzles
Pneumatic systems
Rotors
Steam turbines
Turbine shafts

1307.1
Hydraulic Machinery

Air admission
Axial flow turbines
Bulb turbines
Deriaz pump turbine
Francis turbines
Governors
Hydraulic machinery
Hydraulic turbines
Impellers
Impulse turbines
Kaplan turbines
Mixed flow pumps
Pelton turbines
Pump turbines
Reaction turbines
Reversible turbines
Specific speed
Spiral cases
Stators
Stay rings
Stay vanes
Tube turbines
Turbine blades
Turbine efficiency
Turbine parts
Turbine runners
Turbines
Turbine shafts
Turbine wheels
Vanes
Water wheels
Wicket gates

1308
Industrial Processes

Abrasive blasting
Annealing
Anodic protection
Anodizing
Application methods
Arc welding
Automation
Batching
Beneficiation
Bonding
Brazing
Capping
Cathodic protection
Cladding
Cleaning
Coalescence
Crazing
Crushing
Curing
Cutting
Deaeration
Decontamination
Densification
Descaling
Dewatering
Dipping
Drilling
Drying
Dusting
Electroslag welding
Electrostatic precipitation
Entrainment
Extraction
Extrusions
Fabrication
Finishing
Flotation
Foaming
Freeze drying
Froth flotation
Frothing
Grinding
Grooves
Hardening
Hard surfacing
Heat treatment
Heavy media separation
Hydrate processes
Impregnation
Industrial engineering
Industrial production
Jacking
Machining
Materials forming
Materials handling
Mineral industry
Mixing
Moistureproofing
Oil industry
Painting
Peeling
Plant efficiencies
Plating
Posttensioning
Prestressing
Prestressing systems
Pretensioning
Process control
Processing
Product evaluation
Production control
Pulp and paper industry
Pulp wastes
Pumping
Quality control
Quenching
Riveting
Rotary drilling
Screening
Separation techniques
Shaping
Sheathing
Skimming
Soaking
Soldering
Spraying
Sprinkling
Statistical quality control
Steam curing
Stiffening
Strain hardening
Stressing cables
Stress relieving
Surface preparation
Surfacing
Treatment facilities
Twisting
Vacuum drying
Waterproofing
Welding
Winding (mechanical)

1309
Machinery, Tools, and Industrial Equipment

Appliances
Application equipment
Augers
Autoclaves
Ball mills
Bearings
Blades
Blowers
Boring machines
Brakes
Brushes
Buffers (industrial equipment)
Cables
Calyx drills
Cams
Canneries
Chipping hammers
Clutches (mechanical)
Condensers (liquefiers)
Control equipment
Control systems
Conveyances
Conveyors
Cranes (hoists)
Dehydrators
Dies
Diffusers
Dispensers
Drilling equipment
Drills
Drums
Dryers
Feeders
Flexible shafts
Gears
Governors
Grinders
Hammers
Hand augers
Handling equipment
Hand tools
Hoisting machinery
Housings
Hydraulic jacks
Industrial plants
Jacks (mechanical)
Jigs
Journal bearings
Keyways
Lathes
Machines
Machine tools
Materials handling equipment
Mechanical equipment
Mechanization
Milling machines
Mills
Mixers
Overhead cranes
Pilot plants
Power transmission (mechanical)
Presses
Propellers
Reamers
Rod mills
Roller bearings
Rollers
Rotating components
Rotating machines
Saw mills
Saws
Service life
Shafts (machinery)
Skids
Sprays
Springs (mechanical)
Thrust bearings
Torches
Transmissions (mechanical)
Traveling cranes
Variable-speed drives
Vibrators (mechanical)
Wrenches

1309.1
Mechanical Engineering

Critical speed
Machine design
Mechanical engineering

1310
Marine Engineering

Barges
Boats
Buoys
Catamarans
Docks
Drydocks
Floats
Hydrofoils
Marinas
Marine engineering
Naval architecture
Pontoons
Ships
Submarines

1311
Pumps, Filters, Pipes, Tubing, and Valves

Air filters
Air traps
Alfalfa valves
Asbestos-cement pipes
Butterfly valves
Capillary tubes
Cast iron pipe
Centrifugal pumps
Check valves
Clay pipes
Copper tubing
Corrugated metal pipe
Ducts
Feed pumps
Filters
Filter stones
Flap valves
Flexible pipes
Flexible tubing
Fluid filters
Gate valves
Globe valves
High pressure valves
Hollow jet valves
Hoses
Hydraulic valves
Jet pumps
Manifolds
Metal pipes
Needle valves
Pipe bends
Pipe fittings
Pipe linings
Pipes
Pipe wrappings
Piping systems (mechanical)
Plastic pipes
Plastic tubing
Plug valves
Pressure regulators
Pretensioned pipes
Propeller pumps
Pumps
Pump tests
Reciprocating pumps
Relief valves
Rigid tubing
Ring stiffeners
Rotary pumps
Rubber pipes
Rubber tubing
Sand filters
Seats
Sleeve valves
Steel pipes
Tubes
Vacuum pumps
Valves
Water column separation
Water filters
Water pipes

1311.1
Penstocks

Bifurcations
Penstocks
Trifurcations

1312
Safety Engineering

Accidents
Disasters
Fire alarm systems
Fire extinguishers
Fires
Fire safety
Forest fires
Goggles
Hazards
Motor vehicle accidents
Nuclear safety
Radiation hazards
Safety
Shielding
Warning systems
Wrecks

1313
Structural Engineering

Appurtenances
Buried metalwork
Concrete structures
Cribbing
Crib walls
Differential displacements
Earthworks
Embankments
Fences
Fills
Flanges
Harbors
Keyways
Piers
Ribs
Rock fills
Rolled fills
Safety factors
Seismic design
Seismic properties
Seismic stability
Shoring
Slabs
Stiffeners
Structural design
Structural engineering
Tie rods

1313.1
Dams and Hydraulic Structures

Abutments
Air admission
Approach channels
Aqueducts
Arch dams
Armoring (streambed)
Baffle piers
Baffle plates
Barriers
Bellmouths
Blanket grouting
Blankets
Blowouts
Breakwaters
Buttress dams
Canal design
Canal embankments
Canal linings
Canals
Canal seepage
Channel design
Channel improvements
Channel protection
Check dams
Check structures
Chimney drains
Chute blocks
Chutes
Chute spillways
Closed conduit spillways
Cofferdams
Concrete dams
Concrete-lined canals
Concrete linings
Conduits
Control structures
Conveyance structures
Curtains
Curtain walls
Cutoffs
Cutoff trenches
Cutoff walls
Dam breaches
Dam crests
Dam design
Dam facings
Dam failure
Dam foundations
Dams
Damsites
Dam stability
Debris barriers
Dentated sills
Dikes
Discharge lines
Diversion dams
Diversion structures
Diversion works
Double-curvature arch dams
Draft tubes
Drops (structures)
Earth dams
Earth-lined canals
Earth linings
Emergency closures
Energy dissipators
Entrance channels
Entrances (fluid flow)
Fish barriers
Fish handling facilities
Fish ladders
Fish passages
Fish screens
Fishways
Flashboards
Flip buckets
Float wells
Flumes
Forebay dams
Galleries
Gravel blankets
Gravity dams
Groins (structures)
Guide walls
Headwalls
Headworks
Hydraulic conduits
Hydraulic fill dams
Hydraulic structures
Impervious blankets
Impervious linings
Impervious membranes
Intake channels
Intakes
Intake structures
Intake towers
Intake transitions
Inverted filters
Irrigation canals
Jetties
Laterals
Levees
Lined canals
Lock gates
Locks (waterways)

1313.1 (Con.)

- Masonry dams
- Mill dams
- Morning glory spillway
- Movable dams
- Multilevel outlets
- Multiple arch dams
- Multiple purpose structures
- Navigation dams
- Ogee crests
- Outlet works
- Overfalls
- Parshall flumes
- Pervious blankets
- Pervious linings
- Plunge basins
- Pump intakes
- Rectangular conduits
- Retention dams
- Revetments
- Rigid linings
- River closures
- Rock blankets
- Rockfill dams
- Rubble mounds
- Sand traps
- Sea walls
- Self-spillway dams
- Settling basins
- Shaft spillways
- Side channel spillways
- Siphons
- Ski-jump spillways
- Sloping intake structures
- Sluices
- Spawning channels
- Spilling
- Spillway approach
- Spillway capacity
- Spillway crests
- Spillway piers
- Spillway profiles
- Spillways
- Step-downs
- Stilling basins
- Sublaterals
- Surge tanks
- Tailrace
- Tailwater
- Thin arch dams
- Training walls
- Transitions (structures)
- Transition zones
- Trapezoidal channels
- Trapezoidal flumes
- Trashracks
- Trial-load method
- Turnouts
- Unlined canals
- Wasteways
- Water collection systems
- Water conveyance
- Water delivery
- Weir ponds
- Zoned embankments

1313.2
Tunnels

- Adits
- Diversion tunnels
- Liner plates
- Pressure tunnels
- Railroad tunnels
- Relief vaults
- Tunnel design
- Tunnel failure
- Tunnel linings
- Tunnel plugs
- Tunnel pressures
- Tunnels
- Tunnel supports
- Unlined tunnels
- Vehicular tunnels
- Water tunnels (conveyance)
- Water tunnels (testing)

1313.3
Pipelines

- Bellmouths
- Bifurcations
- Blowoff structures
- Buried pipes
- Cast-in-place pipes
- Closed conduits
- Culverts
- Noncircular conduits
- Pipe bedding
- Pipe cover
- Pipe cradles
- Pipe design
- Pipe laying
- Pipelines
- Pressure conduits
- Pressure pipes
- Reinforced plastic pipe
- Submarine pipelines
- Tees
- Tile drains
- Trifurcations
- Vacuum breakers
- Wye branches

1313.4
Buildings

- Architecture
- Brick masonry
- Building codes
- Building design
- Buildings
- Chimneys
- Elevators
- Floors
- Garages
- Grilles
- Powerhouses
- Prefabrication
- Residences
- Roofs
- Stairs
- Warehouses

1313.5
Structures

- Allowable stress
- Aluminum towers
- Anchored bulkheads
- Anchored towers
- Anchors
- Arch bridges
- Arches
- Arch trusses
- Baffles
- Bailey bridges
- Bascule bridges
- Bays (structural)
- Beams (structural)
- Bearing pads
- Bell piers
- Bents (structural)
- Boat-launching ramps
- Box beams
- Bracing
- Bridge decks
- Bridge design
- Bridge failure
- Bridge piers
- Bridges (structures)
- Bulkheads
- Buried structures
- Buttresses
- Cantilevers
- Cast-in-place structures
- Cellular structures
- Coastal structures
- Columns
- Composite beams
- Composite structures
- Compression members
- Concrete tanks
- Conduits
- Continuous beams
- Continuous frames
- Continuous structures
- Continuous trusses
- Corbels
- Cylindrical shells
- Deep beams
- Distortion (structural)
- Docks
- Domes (structural)
- Earthquake-resistant structures
- Engineering structures
- Fire walls
- Fixed structures
- Flat plates
- Frames
- Gabions
- Girders
- Gusset plates
- Guyed towers
- Highway bridges
- Hinged structures
- Hybrid beams
- Large structures
- Limit design
- Matrix methods (structural)
- Minimum weight design
- Minimum weight theory
- Moment distribution
- Mooring
- Offshore platforms
- Plane structures
- Plate girders
- Prestressed steel
- Railroad bridges
- Reinforcement
- Retaining walls
- Rigid frames
- Roof failures
- Roof supports
- Shell structures
- Shelters
- Silos
- Skewed structures
- Slenderness ratio
- Slope deflection method
- Small structures
- Space frames
- Spans
- Standpipes
- Stay lines
- Steel structures
- Stiffness matrix
- Stirrups
- Structural analysis
- Structural behavior
- Structural members
- Structural models
- Structural relaxation
- Structural stability
- Structures
- Struts
- Supports
- Suspension bridges
- Thin shell structures
- Towers
- Transmission towers
- Trestles
- Truss bridges
- Trusses
- Ultimate strength design
- Underground powerplants
- Underground structures
- Walls
- Water tanks
- Web beams
- Wind bracing
- Wooden bridges
- Wooden structures
- Wooden trestles
- Yield line method

1313.6
Foundations

- Auger-type footings
- Batter piles
- Bearing piles
- Bearing values
- Belled anchors
- Belled footings
- Blanket grouting
- Bored piles
- Bridge foundations
- Caissons
- Cast-in-place piles
- Concrete piles
- Dam foundations
- Differential settlement
- Flexible foundations
- Footings
- Foundation bearing tests
- Foundation failure
- Foundation investigations
- Foundation modulus
- Foundations
- Friction piles
- Grillage footings
- Grout curtains
- Influence charts
- Pad footings
- Pile bearing capacities
- Pile caps
- Pile driving
- Pile extraction
- Pile foundations
- Pile groups
- Piles (foundations)
- Pile spacing
- Preloading
- Pressed plate footings
- Rigid foundations
- Rock foundations
- Settlement (structural)
- Spread footings
- Spread foundations
- Steel piles
- Underwater foundations
- Uplift footings
- Wooden piles

1313.7
Hydraulic Gates

- Bulkhead gates
- Coaster gates
- Drum gates
- Emergency gates
- Fixed wheel gates
- Floodgates
- Gate control
- Gate hoists
- Gates
- Gate seals
- Gate seats
- High pressure gates
- Hydraulic gates
- Intake gates
- Lock gates
- Miter gates
- Radial gates
- Roller gates
- Roller-mounted gates
- Sector gates
- Slide gates
- Sluice gates
- Spillway gates
- Stoney gates
- Stop logs
- Turnout gates

1314
Project Planning

- Artificial use
- Benefit-cost analysis
- Benefit-cost ratios
- Benefit-cost theory
- Foreign projects
- Investigations
- Land settlement
- Long-term planning
- Non-structural alternatives
- Optimum development plans

1314 (Con.)
Preliminary investigations
Project life
Project planning
Project purposes
Site selection

1315
Construction
Blasting
Boring
Borrow areas
Borrow pits
Bridge construction
Caissons
Canal construction
Clearing
Cold weather construction
Concrete construction
Concrete finishing
Construction
Construction control
Construction management
Construction methods
Construction practices
Cratering
Cuts
Cut slopes
Dam construction
Demolition
Dewatering
Dredging
Earthmoving
Equipment installation
Erection
Excavation
Explosive construction
Explosive excavation
Foreign construction
Formwork (construction)
Grading (earthwork)
Grouting
Grouting pressure
Grout take
Hydraulic excavation
Hydraulic fills
Installation
Jacking
Jetting
Lifts (construction)
Lift slab construction
Mudjacking
Nuclear excavation
Overbreak
Overexcavation
Overhaul
Percussion drilling
Placing
Presplit blasting
Puddling
Rapid excavation
Reservoir clearing
Reservoir construction
Ripping
Road construction
Rock breakage
Rock excavation
Rolling
Sandwiching
Smooth wall blasting
Sonic pile driving
Spoil
Stockpiling
Stringing
Stripping
Surface sealing
Tremie concrete
Tunnel construction
Tunneling
Underground explosions
Underwater construction
Underwater excavation
Vibratory compaction
Vibratory pile driving

1400
Methods and Equipment

1401
Cost Effectiveness
Adjusted costs
Administrative costs
Alternative costs
Annual costs
Annual equivalent costs
Associated costs
Average costs
Capital costs
Comparative costs
Construction costs
Contingency costs
Cost allocation
Cost analysis
Cost comparisons
Cost indexes
Costs
Cost savings
Cost sharing
Cost transfer
Cost trends
Deferred costs
Direct costs
Drainage costs
Economies
Electric power costs
Electric power rates
Engineering costs
Engineers estimates
Equipment costs
Estimated costs
Estimating equations
Fixed costs
Indirect costs
Induced costs
Initial costs
Installation costs
Insurance costs
Intangible costs
Joint costs
Labor costs
Labor savings
Maintenance costs
Non-reimbursable costs
Operating costs
Operation and maintenance costs
Overhead costs
Real costs
Reimbursable costs
Replacement costs
Separable cost allocation
Separable costs
Specific costs
Tangible costs
Time and motion studies
Total costs
Unit costs
Value engineering
Variable costs
Water costs

1402
Laboratories, Test Facilities, and Test Equipment
Accelerated tests
Accelerometers
Acceptance tests
Ammeters
Analytical techniques
Anemometers
Assay
Atmometers
Automatic control
Barometers
Bond tests
Broad-crested weirs
Calibrations
Calorimeters
Centrifugation
Centrifuges
Chronometers
Cipolletti weirs
Circuit testers
Clocks
Collecting methods
Colorimetry
Color reactions
Compression curves
Compression tests
Concrete tests
Control equipment
Control systems
Counters
Creep tests
Current meters
Denison samplers
Densimeters
Destructive tests
Dial gages
Diaphragms (mechanics)
Dissolved oxygen analyzers
Disturbed samples
Drift bottles
Drill monitors
Drive samplers
Dye releases
Dynamic tests
Dynamometers
Electrical insulation tests
Electrical well logging
Electric bridges
Electron microscopy
Embedded instruments
Environmental tests
Evaporation pans
Evaporation tanks
Evaporators
Evaporimeters
Evapotranspirometers
Exposure tests
Extensometers
Fathometers
Fatigue tests
Field investigations
Field laboratories
Field permeability tests
Field tests
Filter tests
Fixed-bed models
Flame photometry
Flat jack method
Flow measurement
Flowmeters
Fluorometry
Fluoroscopes
Foreign tests
Freeze-thaw tests
Frequency analyzers
Friction tests
Gages
Gaging stations
Galvanometers
Gamma probes
Geodimeters
Geophones
Geophysical logging
Gibson method
Gradation analysis
Gravimeters
Gravimetry
Haines apparatus
Hardness tests
Hook gages
Hot film anemometers
Hot wire anemometers
Hydraulic laboratories
Hydraulic models
Hydrologic instruments
Hydrologic models
Hydrometers
Hydrometry
Hypsometric analysis
Impact tests
Impulse tests (electrical)
Inclinometers
Index tests
Indicators
Infiltrometers
Infrared detectors
Infrared spectroscopy
In situ tests
Instrumentation
Instrument transformers
Interference analyzers
Interferometers
Investigations
Jacking tests
Laboratories
Laboratory equipment
Laboratory tests
Liquid level gages
Loading tests
Lysimeters
Magnetometers
Manometers
Manual control
Materials tests
Measuring instruments
Mechanical analysis
Mechanical control
Metal tests
Metergates
Metering
Meters
Metrology
Meus-membrane filters
Micrometers
Microscopes
Microscopy
Mixing length
Mobile laboratories
Models
Model studies
Model tests
Moisture meters
Moisture sensors
Movable bed models
Nansen bottles
Neutron activation analysis
Nondestructive tests
Notch tests
Nuclear density meters
Nuclear moisture meters
Nuclear probes
Ohmmeters
Optical measurement
Orifice meters
Oscillographs
Oscilloscopes
Pan evaporation
Pendulums
Penetration tests
Penetrometers
Performance tests
Permeameters
Photometers
Photometry
Phytometers
Piezometers
Piezometry
Pile tests
Pipe tests
Piston samplers
Pitot tubes
Plate load tests
Plumblines
Polariscopes
Porous tube piezometers
Potentiometers
Precipitation gages
Pressure cells
Pressure gages
Pressure measuring instruments
Pressure sensors
Pressure tests
Pressure vessels
Probes (instruments)
Propeller meters
Prototype tests

1402 (Con.)

Psychrometrics
Pull-out tests
Pull tests
Radioactive tracers
Radioactive well logging
Radioactivity techniques
Radiographic inspection
Radiography
Radiometers
Rainfall simulators
Rain gages
Rectangular weirs
Remote control
Remote sensing
Research equipment
Research facilities
Resonators
Richards apparatus
Rock tests
Rotating meters
Salinity meters
Samplers
Samples
Sampling
Scale effect
Scintillation counters
Sediment samplers
Sediment sampling
Sensors
Separation techniques
Servomechanisms
Sharp crested weirs
Shear tests
Shock tests
Shock tubes
Sieve analysis
Sieves
Slope indicators
Soil compression tests
Soil consolidation tests
Soil density probes
Soil moisture meters
Soil samplers
Soil tests
Sonic velocity tests
Soniscopes
Sounding
Spectrometers
Spectrometry
Spectrophotometry
Spectroscopy
Spectrum analysis
Staff gages
Static tests
Stilling wells
Strain gages
Strain measurement
Strain meters
Stream gages
Stream gaging station
Stress gages
Stress meters
Submerged weirs
Tagging
Temperature control
Temperature sensors
Tensiometers
Tension tests
Test canals
Test equipment
Test facilities
Test fills
Test holes
Test machines
Test piles
Test pits
Test procedures
Test results
Tests
Test specimens
Thermal analysis
Thermocouples
Thermogalvanic cells
Thermographs
Thermometers
Thermostats
Tiltmeters
Torsion shear tests
Tracers
Tracking techniques
Transmitters
Triaxial tests
Turbidimeters
Ultrasonic tests
Undrained shear tests
Vacuum apparatus
Vane shear tests
Vee-notched weirs
Velocity meters
Venturi flumes
Venturi meters
Vibration tables
Vibration tests
Viscometers
Voltmeters
Volumetric meters
Vortex tubes
Waste identification
Water analysis
Water measurement
Water metering
Water meters
Water sampling
Wattmeters
Wave tanks
Weight loss
Weir crests
Weir gages
Weirs
Wetting and drying tests
Wheatstone bridge
Wind tunnels
X-ray analysis
X-ray diffraction
X-ray inspection
X-ray spectroscopy

1403
Recording Devices

Depth recorders
Digital recording
Electrical logging
Logging (recording)
Logs
Magnetic recording
Recording systems
Water stage recorders

1404
Reliability

Reliability

1405
Reprography

Aerial photography
Borehole cameras
Cameras
Charts
Color photography
Drawings
Drill hole TV cameras
Etching
High speed photography
Infrared photography
Microfilm
Microphotography
Motion pictures
Photographic analysis
Photographic equipment
Photographs
Photography
Photointerpretation
Printing
Reproduction (copying)
Stereoscopes
Stereoscopic map plotters
Stereoscopic photography

1406
Research

Applied research
Basic research
Foreign research
High temperature research
Research and development
Research facilities

1407
General Concepts

Abatement
Abiotic environment
Ablation
Absorption
Acceptability
Accuracy
Actuators
Adhesion
Adsorption
Age
Aging (physical)
Air bubbles
Air-earth interfaces
Air environment
Air-water interfaces
Alinement
Altitude
Amplitude
Analogs
Analysis
Annual
Apertures
Aquatic environment
Asymmetry
Atmosphere
Attenuation
Attenuators
Automatic
Azimuth
Behavior
Bending
Boundaries (surfaces)
Branches
Bubbles
Buckling
Bulk
Bulk density
Bulking
Buoyancy
Byproducts
Capillarity
Carriers
Cavities
Celerity
Cells
Census
Characteristics
Circulation
Clarity
Classifications
Clearances
Cleavage
Clogging
Closing
Codes
Coding
Coefficients
Coils
Collapse
Compaction
Comparative studies
Compatibility
Compression
Concentration
Conductivity
Configuration
Conservation
Consistency
Consolidation
Constraints
Constrictions
Consumption
Contamination
Contours
Contraction
Control
Conversion
Cooperation
Correction
Correlation
Criteria
Critical density
Cross sections
Crusts
Cycles
Cylinders
Damages
Damping
Defects
Deficiencies
Deflection
Deflectors
Deformation
Degradation
Density
Depletion
Deposition
Depression
Depth
Design
Design assumptions
Design criteria
Design data
Design improvements
Design modifications
Design practices
Design standards
Design strength
Design tools
Deterioration
Diffusion
Diffusivity
Dilatation
Dilation
Dimensions
Discontinuities
Displacements
Disposal
Dissipation
Distance
Distribution
Distribution patterns
Disturbances
Diurnal
Diurnal distribution
Diurnal variations
Dosage
Downstream
Drift
Drives
Drowned (submerged)
Dry weight
Dual purpose
Durability
Dynamic response
Dynamic stability
Eccentricity
Edge effect
Effects
Efficiencies
Ejection
Ejectors
Electric analogs
Elongation
Emissivity
Energy
Energy absorption
Energy balance
Energy budget
Energy losses
Engineering
Engineering evaluation
Engineering obsolescence
Engineering services
Entrapped air
Envelopes
Environments
Equilibrium
Equipment
Errors

1407 (Con.)

Estimating
Evaluation
Exciters
Expansion
Experimental data
Exploration
Exposure
External friction
Exudation
Facilities
Failure
Failure (mechanics)
Feasibility
Feasibility studies
Feedback
Field classifications
Field control
Field data
Field density
Fines
Flat surfaces
Floating
Fluctuation
Forced drying
Forecasting
Foreign activities
Foreign design practices
Formulas
Fouling
Fractures
Fragmentation
Freeze-thaw durability
Friction
Fusion
Future planning (projected)
Generators
Gradation
Graded
Gradients
Grain shapes
Grain sizes
Granules
Hardness
Heaving
Height
Heterogeneity
High head
High pressure
High temperature
High velocity
Homogeneity
Humidity
Hysteresis
Ice-water interfaces
Ideas
Immiscibility
Impact
Impulses
Impurities
Information
Inhibition
Injection
Injectors
Innovation
Inspection
Insulation
Intensity
Interfaces
Interstices
Inventions
Isolation
Junctions
Leakage
Length
Life expectancy
Limiting factors
Linear expansion
Liquid-gas interfaces
Liquid-vapor interfaces
Liquid water content
Locating
Locations
Losses
Low pressure
Low temperature
Magnitude
Marginal productivity
Marginal utility
Mass
Mass transfer
Materials stability
Mean diameter
Measurement
Mechanical properties
Median diameter
Methodology
Metric system
Metrology
Microenvironment
Moist condition
Moments
Monitoring
Monoliths
Monthly
Morphology
Movement
Multiple purpose
Multiple use
Negative friction
Negative pressure
Network design
Networks
Nocturnal
Nodes
Nonlinear systems
Nucleation
Objectives
Obsolescence
Obstruction
Oil-water interfaces
One-dimensional
Opacity
Operating criteria
Operation and maintenance
Operations
Optimum design
Optimum use
Organoleptic properties
Orientation
Outdoors
Outlets
Overtopping
Particle distribution
Particles
Particle shape
Particle size
Penetration
Performance
Periodic variations
Persistence
Phase studies
Phase transformations
Physical control
Physical properties
Plans
Polarity
Polarization
Pores
Pore size
Porosity
Portable
Ports
Positive friction
Potential energy
Powders
Power
Preparation
Preservation
Pressure
Pressure distribution
Prisms
Probability
Procedures
Production
Productivity
Profiles
Programs
Propagation
Properties
Prototypes
Pulses
Purification
Radiation
Rails
Ranges
Rates
Rates of application
Reaches (distance)
Reclamation
Recovery
Reduction
Reflection
Reflectivity
Refraction
Regional analysis
Regions
Regulation
Rehabilitation
Rejection
Relocation
Removal
Renovating
Repairing
Replacing
Reproducibility
Requirements
Resistance
Resistance coefficients
Resistance networks
Resistivity
Resonance
Resource conservation
Resources
Retarding
Right-of-way
Rigid boundaries
Rods
Roughness
Routing
Sagging
Saline water-freshwater interfaces
Salt removal
Salvage
Saturation
Scattering
Scenery
Sciences
Scientific method
Sedimentation
Selectivity
Sensitivity
Separation
Sequence
Shape
Shrinkage
Similitude
Simulation
Sites
Size
Sliding
Slipping
Slots
Slump
Smoothness
Spacing
Spalling
Spatial distribution
Specialization
Specifications
Specific gravity
Specific weight
Stability
Stabilization
Standards
Stations
Storage
Stratification
Strength
Submergence
Subsidence
Suction
Surcharge
Surface properties
Surfaces
Surges
Surveys (data collection)
Suspension
Swelling
Swelling pressure
Symbols
Symmetry
Synthesis
Systematics
Taper
Technical feasibility
Technology
Temperate
Temperature
Temperature rise
Temporal distribution
Texture
Theoretical analysis
Theory
Thickness
Thinness
Three-dimensional
Time
Timing
Tolerances (mechanics)
Towing
Traction
Traffic
Transfer
Transformations
Transients
Transpiration
Treatment
Two-dimensional
Underground
Underwater
Unit weight
Unsaturated
Variability
Varieties
Velocity
Visibility
Voids
Volume
Volume change
Vulnerability
Wastes
Water flux
Water injury
Water properties
Watertight
Waves
Weathering
Weight
Wet condition
Wet weight
Width
Withdrawal
Workability
Worldwide
Zoning

1409
Geometric Forms

Angles (geometry)
Camber
Circles (geometry)
Cones (mathematics)
Curved profiles
Curves
Cylindrical bodies
Disks (shapes)
Geometric shapes
Helixes
Orifices
Rings
Semicircular sections
Spheres
Wedges

1500
Military Sciences

1502
Chemical, Biological, and Radiological Operations
- Biological warfare
- Chemical warfare
- Radiation effects

1503
Defense
- Army
- Civil defense
- National defense
- Navy

1505
Logistics
- Airborne equipment
- Logistics
- Maintenance
- Maintenance equipment
- Mobile equipment
- Obsolete equipment
- Office equipment
- Preventive maintenance
- Spare parts
- Transportation
- Water transportation

1700
Navigation, Communications, Detection, and Countermeasures

1701
Acoustic Detection
- Hydrophones
- Sonar

1702
Communications
- Carrier-current
- Communication
- Powerline carriers
- Radio communication systems
- Radio reception
- Radio relay stations
- Radios
- Radio signals
- Receivers
- Repeaters (communications)
- Telemetry
- Telemetry systems
- Telephones
- Television
- Time signals
- Underwater television
- VHF

1703
Direction Finding
- Direction finding

1707
Navigation and Guidance
- Gyroscopes
- Lighthouses
- Navigation
- Sextants

1709
Radar Detection
- Radar
- Radar equipment
- Radar reflections

1711
Miscellaneous Detection
- Background radiation
- Detection
- Detectors
- Metal detectors

1800
Nuclear Science and Technology

1802
Isotopes
- Arsenic radioisotopes
- Cadmium radioisotopes
- Carbon radioisotopes
- Chlorine radioisotopes
- Cobalt radioisotopes
- Deuterium
- Gold radioisotopes
- Heavy water
- Iodine radioisotopes
- Isotopes
- Lead radioisotopes
- Phosphorus radioisotopes
- Plutonium radioisotopes
- Potassium radioisotopes
- Radioactive dating
- Radioisotopes
- Radionuclides
- Radium radioisotopes
- Sodium radioisotopes
- Stable isotopes
- Strontium radioisotopes
- Thallium radioisotopes
- Tritium
- Uranium radioisotopes
- Zinc radioisotopes

1803
Nuclear Explosions
- Nuclear explosions

1804
Nuclear Instrumentation
- Geiger counters
- Neutron counters
- Nuclear meters
- Radiation detectors
- Radiation measurement
- Radiation measuring equipment

1805
Nuclear Powerplants
- Dual-purpose nuclear plants
- Nuclear powerplants

1806
Radiation Shielding and Protection
- Electromagnetic shielding
- Radiation shielding

1807
Radioactive Wastes and Fission Products
- Radioactive waste disposal
- Radioactive wastes

1808
Radioactivity
- Fallout
- Half life
- Irradiation
- Radioactive contamination
- Radioactive decay
- Radioactivity
- Radioactivity effects
- Radiosensitivity

1809
Reactor Technology
- Nuclear engineering
- Nuclear reactors

1900
Ordnance

1901
Ammunition, Explosives, and Pyrotechnics
- Charges (explosives)
- Delay elements (explosives)
- Explosives
- Fuses (explosions)
- High explosives

1904
Explosions, Ballistics, and Armor
- Ballistics
- Blasts
- Detonation
- Explosions
- Overpressure
- Underwater explosions

1907
Rockets
- Rockets

2000
Physics

2001
Acoustics
- Acoustic equipment
- Acoustic insulation
- Acoustics
- Elastic waves
- Noise (sound)
- Noise reduction
- Sound waves
- Tuning forks
- Ultrasonics
- Underwater acoustics

2002
Crystallography
- Crystal growth
- Crystallization
- Crystallography
- Crystals

2003
Electricity and Magnetism
- Alternating current
- Capacitance
- Current density
- Dielectric properties
- Dielectrics
- Dipoles
- Direct current
- Eddy currents
- Electrical conductance
- Electrical faults
- Electrical grounding
- Electrical impedance
- Electrical properties
- Electrical resistance
- Electrical resistivity
- Electrical stability
- Electric arcs
- Electric coronas
- Electric current
- Electric discharges
- Electric fields
- Electricity
- Electric potential
- Electric power demand
- Electrokinetic potential
- Electrokinetics
- Electromagnetic properties
- Electromagnetism
- Electromagnets
- Electrons
- Electrostatics
- Extra high voltage
- Ferromagnetism
- Flashover
- High voltage
- Induced currents
- Induced voltage
- Inductance
- Leakage current
- Magnetic fields
- Magnetic induction
- Magnetic materials
- Magnetic properties
- Magnetostriction
- Magnets
- Overvoltage
- Photoelectricity
- Piezoelectricity
- Power factor
- Reactance
- Static electricity
- Superconductivity
- Superconductors
- Suppression (electrical)
- Switching surges
- Thermoelectricity
- Transient stability
- Ultra high voltage

2004
Fluid Mechanics
- Aerodynamics
- Air demand
- Axial flow
- Back pressure
- Bends (hydraulic)
- Boule flotation
- Boundary conditions
- Boundary layer
- Boundary processes
- Boundary shear
- California pipe method
- Capillary action
- Capillary conductivity
- Capillary pressure
- Cavitation
- Cavitation control
- Cavitation index
- Cavitation noise
- Cavitation resistance
- Channel flow
- Chezy equation
- Closed conduit flow
- Compressible flow
- Continuity equation
- Converging flow
- Critical depth
- Critical flow
- Critical slopes
- Critical velocity

2004 (Con.)

Currents (water)
Darcys law
Darcy-Weisbach equation
Discharge (water)
Discharge coefficients
Discharge measurement
Drag
Eddies
Energy equation
Energy gradient
Fetch
Fins
Flow
Flow around objects
Flow characteristics
Flow control
Flow deflectors
Flow distribution
Flow patterns
Flow rates
Flow resistance
Flow separation
Fluid dynamics
Fluid flow
Fluid friction
Fluid mechanics
Fluids
Freeboard
Free flow
Free surfaces
Friction coefficient (hydraulic)
Froude number
Gradually varied flow
Guide vanes
Hazen-Williams equation
Head (fluid mechanics)
Head losses
Hydraulic conductivity
Hydraulic design
Hydraulic downpull
Hydraulic gradient
Hydraulic jump
Hydraulic pressure
Hydraulic properties
Hydraulic radius
Hydraulics
Hydraulic similitude
Hydraulic transients
Hydraulic transportation
Hydrodynamic pressure
Hydrodynamics
Hydrostatic pressure
Hydrostatics
Incompressible flow
Infiltration
Infiltration capacity
Infiltration rate
Jet diffusion
Jets
Kutter formula
Laminar boundary layers
Laminar flow
Low head
Mach number
Mannings equation
Miners inch
Momentum equation
Moody resistance diagrams
Nappe
Newtonian flow
Non-Newtonian flow
Non-uniform flow
Open channel flow
Orifice flow
Orifices
Permissible velocity
Pipe flow
Pitot pressures
Pitot spheres
Potential flow
Power head
Pressure drag
Pressure head
Pulsating flow
Refraction (water waves)
Relative roughness
Reynolds number
Rheology
Roll waves
Rotational flow
Roughness (hydraulic)
Roughness coefficient
Salt velocity method
Skin friction
Slug flow
Specific head
Steady flow
Stokes law
Stratified flow
Subatmospheric pressure
Subcritical flow
Submerged flow
Submerged orifices
Subsonic flow
Sudden enlargements
Supercritical flow
Supersonic flow
Surge waves
Tee losses
Transient flow
Transition flow
Translatory waves
Tunnel hydraulics
Turbulence
Turbulent boundary layers
Turbulent flow
Two-phase flow
Uniform flow
Unsteady flow
Vacuum
Velocity distribution
Velocity head
Vena contracta
Viscosity
Viscous flow
Vortices
Wakes
Wall friction
Water hammer
Water pressure
Wave action
Wave energy
Wave generation
Wave height
Wave pile-up
Wave run-up
Waves (water)
Wave suppressors
Weber number

2005
Masers And Lasers

Lasers
Masers

2006
Optics

Ambient light
Bottom-reflected light
Collimators
Color
Diffraction
Distortion (optics)
Fluorescence
Gamma rays
Infrared radiation
Lenses (optical)
Light
Light intensity
Light penetration
Light quality
Light waves
Luminescence
Mirrors
Optical instruments
Optical properties
Optics
Refractivity
Spectra
Turbidity
Ultraviolet radiation
X-ray diffraction
X-ray fluorescence
X-rays

2008
Particle Physics and Nuclear Reactions

Alpha particles
Atoms
Beta particles
Electron beams
Electrons
Excitation
Neutron absorption
Neutrons
Nuclear energy
Nuclear fission
Nuclear magnetic resonance
Nuclear physics
Nuclear reactions
Protons

2009
Plasma Physics

Electrohydrodynamics
Magnetohydrodynamics
Plasma physics

2010
Quantum Theory and Relativity

Quantum mechanics

2011
Mechanics

Acceleration (physics)
Aeolian vibration
Axial loads
Bending moments
Biaxial loads
Centrifugal force
Centripetal force
Cohesion
Confining pressure
Coriolis force
Cushioning
Cyclic loads
Dead loads
Deceleration
Dynamic loads
Dynamics
Earthquake loads
Eccentric loading
Energy dissipation
Energy transfer
Engineering mechanics
Expansive forces
External forces
Finite element method
Forced vibration
Gravity
Hoop tension
Horizontal loads
Ice loads
Ice pressure
Impact loads
Internal forces
Kinetic energy
Kinetics
Lateral forces
Live loads
Load distribution
Load factors
Loading rate
Loading time
Loads (forces)
Mechanical waves
Mechanics
Moments of inertia
Momentum
Momentum transfer
Motion
Oscillations
Pile-driving formulas
Pile friction
Pile lateral loads
Radial loads
Rankine pressure
Reactions (mechanics)
Relaxation (mechanics)
Repeated loading
Rotation
Shear forces
Shear stress
Shock (mechanics)
Shock waves
Sliding resistance
Statics
Stress analysis
Tension
Torque
Torsion
Total loads
Total stress
Transverse waves
Ultimate loads
Vertical loads
Vibration
Vibration damping
Work

2012
Solid State Physics

Axial compression
Axial shear
Axial strain
Axial stress
Axial tension
Bearing pressure
Bearing strength
Bending stress
Biaxial compression
Biaxial shear
Biaxial stress
Biaxial tension
Bonding strength
Brittle fractures
Brittle fracture theory
Brittleness
Bulk modulus
Circumferential stress
Compressibility
Compressive strength
Compressive stress
Cracking
Creep
Deformation modulus
Direct shear
Ductility
Effective stress
Elastic deformation
Elasticity (mechanical)
Elastic limit
Elastic theory
Failure surfaces
Fatigue (materials)
Flexibility
Flexural strength
Friction coefficient (mechanical)
Griffith theory
Inelastic action
In place density
Internal friction
Intrinsic pressure
Modulus of elasticity
Neutral stress
Normal strain
Normal stress
Notch effect
Photoelasticity
Plastic deformation
Plastic failure
Plasticity
Plastic theory
Poisson ratio
Radial stress
Rebound
Residual stress

2012 (Con.)

- Resilience
- Rigidity
- Rupture modulus
- Rupturing
- Semiconductors
- Shear
- Shear cracks
- Shear distribution
- Shear drag
- Shear failure
- Shear modulus
- Shear planes
- Shear resistance
- Shear strain
- Shear strength
- Shock resistance
- Solid friction
- Solid state physics
- Specific surface
- Splitting tensile strength
- Stiffness
- Strain
- Strain energy
- Strain rate
- Strength of materials
- Stress
- Stress circle
- Stress concentration
- Stress distribution
- Stress relaxation
- Stress-strain curves
- Stress waves
- Structure
- Tangential strain
- Tangential stress
- Tensile properties
- Tensile strength
- Tensile stress
- Thin films
- Toughness
- Transient stress
- Transport phenomena
- Triaxial compression
- Triaxial loads
- Triaxial shear
- Triaxial stress
- Triaxial tension
- Twisting stress
- Ultimate tensile strength
- Unconfined compression
- Viscoelasticity
- Yield point
- Yield strength

2013
Thermodynamics

- Activation energy
- Adiabatic
- Advection
- Benard cells
- Calefaction
- Conduction
- Convection
- Cryogenics
- Cryology
- Enthalpy
- Entropy
- Free energy
- Heat
- Heat balance
- Heat budget
- Heat flow
- Heat of hydration
- Heat resistance (materials)
- Heat transfer
- Heat transfer coefficient
- Heat transmission
- Isotherms
- Linear expansion
- Precooling
- Preheating
- Steam tables
- Supercooling
- Supersaturation
- Thermal conductivity
- Thermal energy
- Thermal expansion
- Thermal gradient
- Thermal properties
- Thermal radiation
- Thermal stress
- Thermodynamic behavior
- Thermodynamics
- Volatility
- Waste heat

2014
Wave Propagation

- Amplification
- Amplitude modulation
- Atmospherics
- Electromagnetic pulses
- Electromagnetic waves
- Frequency
- Frequency modulation
- Frequency shifts
- Harmonics
- High frequency
- Interference
- Longitudinal waves
- Low frequency
- Microwaves
- Modulation
- Natural frequency
- Phase control
- Radio interference
- Radio waves
- Shear waves
- Solitary waves
- Sound
- Standing waves
- Waveforms
- Wavelength
- Wave period
- Wave propagation
- Wave velocity

2100
Propulsion, Engines, and Fuels

2102
Combustion and Ignition

- Burning
- Combustion
- Flames
- Flammability
- Incineration
- Smoke
- Spark gaps
- Sparks

2104
Fuels

- Coal
- Coal gas
- Fossil fuels
- Fuel oil
- Fuels
- Gasoline
- Natural gas

2107
Reciprocating Engines

- Diesel engines

2110
Engine Components

- Carburetors
- Pistons

2111
General Engine Concepts

- Internal combustion engines
- Throttling
- Thrust

2112
General Propulsion Concepts

- Prime movers

2200
Space Technology

2202
Spacecraft

- Satellites (artificial)

2203
Spacecraft Trajectories and Reentry

- Space engineering

Hierarchical Index

ASC

Hierarchical Index

The *Hierarchical Index* has been compiled to combine in one location all broader and narrower terms related to each lead descriptor, or main entry. Only those descriptors having no broader terms and having one or more subordinate levels were selected for display as main entries.

The most generic terms are shown in bold face type at the left margin, and more specific terms follow in light face type indented at their respective hierarchical levels. Some descriptors not qualifying as main entries may appear in two or more places because of multiple relationships with different main entries. This hierarchical index displays only those broader and narrower term relationships developed in the *Thesaurus of Terms* and does not include other meanings or uses of the terms.

Through examination of descriptor families, the Thesaurus user may select the most precise term for indexing published materials, or conversely, may choose the more accurate term for the body of a technical paper.

A

Abatement
. Pollution abatement

Absorption
. Energy absorption

Acceleration (physics)
. Deceleration

Accidents
. Motor vehicle accidents

Acequias
. Public acequias

Administration
. Contract administration
. . Bids
. . Change orders
. . Claims (contracts)
. Contracting

Adsorption
. Ion adsorption
. . Anion adsorption
. . Cation adsorption

Agreements
. International compacts

Aircraft
. Helicopters

Air masses
. Marine air masses

Air pollution
. Thermal pollution

Allocations
. Cost allocation
. . Separable cost allocation
. Water allocation (policy)

Ammonium compounds
. Ammonium salts

Analogs
. Electric analogs

Analysis
. Chemical analysis
. . Chromatography
. . . Gas chromatography
. . Colorimetry
. . Flame photometry
. . Fluorometry
. . Infrared spectroscopy
. . Neutron activation analysis
. . Qualitative analysis
. . Quantitative analysis
. . . Gravimetric analysis
. . . Polarographic analysis
. . Radiochemical analysis
. . Volumetric analysis
. . Water analysis
. Cost analysis
. . Benefit-cost analysis
. . Cost comparisons
. Dimensional analysis
. Gradation analysis
. . Sieve analysis
. Graphical analysis
. Hydrograph analysis
. Income analysis
. Integration (mathematics)
. Management analysis
. Mathematical analysis
. . Calculus
. . . Series (mathematics)
. . . Vector analysis
. . Correlation analysis
. . Differential equations
. . . Laplace equation
. . Finite differences
. . Fourier analysis
. . Frequency analysis
. . Integrals
. . Regression analysis
. . . Multiple regression
. Mechanical analysis
. Mineral analysis
. Numerical analysis
. . Finite difference method
. . Finite element method
. . Gaussian distribution
. . Monte Carlo method
. . Nomographs
. Photographic analysis
. Regional analysis
. Relaxation method
. Soil analysis
. Spectrum analysis
. Stability analysis
. . Slip-circle method
. Statistical analysis
. . Correlation analysis
. . Frequency analysis
. . Histograms
. . Sequential analysis
. . Time series analysis
. Stress analysis
. Structural analysis
. . Matrix methods (structural)
. Tensor analysis
. Terrain analysis
. Thermal analysis
. . Differential thermal analysis
. X-ray analysis
. . X-ray diffraction
. . X-ray fluorescence
. . X-ray spectroscopy

Analytical techniques
. Assay
. . Bioassay
. Chromatography
. Colorimetry
. Depth-area-duration analysis
. Differential thermal analysis
. Dimensional analysis
. Financial analysis
. Flame photometry
. Fluorometry
. Gas chromatography
. Gravimetric analysis
. Hydrograph analysis
. Hypsometric analysis
. Microscopy
. . Electron microscopy
. Neutron activation analysis
. Polarographic analysis
. Qualitative analysis
. Quantitative analysis
. Radiochemical analysis
. Slip-circle method
. Spectrophotometry
. Spectroscopy
. . Infrared spectroscopy
. . X-ray spectroscopy
. Tagging
. Thermal analysis
. Tracking techniques
. Volumetric analysis
. X-ray analysis
. X-ray diffraction
. X-ray fluorescence

Animal physiology
. Animal metabolism
. Fish physiology

Animals
. Amphibians
. Aquatic animals
. . Benthic fauna
. . Coral
. . Crustaceans
. . . Amphipoda
. . . Copepods
. . . Crabs
. . . Crayfish
. . . Daphnia
. . . Isopods
. . . Lobsters
. . . Waterfleas
. . Fish
. . . Ammocetes
. . . Anadromous fish
. . . Atlantic menhaden
. . . Atlantic salmon
. . . Bass
. . . Bottom fish
. . . Brackish-water fish
. . . Brook trout
. . . Brown trout
. . . Buffalo fishes
. . . Bullheads
. . . Carp
. . . Carpsucker
. . . Catadromous fish
. . . Catfishes
. . . Cavefishes
. . . Channel catfish
. . . Chinook salmon
. . . Chum salmon
. . . Cichlids
. . . Cisco
. . . Cold-water fish
. . . Commercial fish
. . . Cutthroat trout
. . . Darters
. . . Desmersal fishes
. . . Eels
. . . Elasmobranches
. . . Forage fish
. . . Freshwater fish
. . . Fry
. . . Gars
. . . Herrings
. . . Juvenile fishes
. . . Killifishes
. . . Lake trout
. . . Lampreys
. . . Livebearers
. . . Low-latitude fishes
. . . Madtoms
. . . Marine fish
. . . Minnows
. . . Morays
. . . Mullets
. . . Pan fish
. . . Perches
. . . Pikes
. . . Pile perch
. . . Pink salmon
. . . Prey fish
. . . Rainbow trout
. . . Roanoke bass
. . . Rock bass
. . . Rough fish
. . . Saline water fish
. . . Salmon
. . . Salmonids
. . . Sauger
. . . Sculpins
. . . Sea basses
. . . Sharks
. . . Shiners
. . . Silversides
. . . Smelts
. . . Smolt
. . . Sockeye salmon
. . . Sport fish
. . . Sticklebacks
. . . Striped bass
. . . Suckers
. . . Sunfishes
. . . Tilapia
. . . Trout
. . . Walleye
. . . White bass
. . . White perch
. . . White seaperch
. . . Yellow bass
. . . Yellow perch
. . Jelly fish
. . Marine animals
. . Mollusks
. . . Clams
. . . Gastropods
. . . Mussels
. . . Oysters
. . . Snails
. . . Teredos
. . Nekton
. . Newts
. . Rotifers
. . Salamanders
. . Sea nettles
. . Shellfish
. . . Commercial shellfish
. . Shrimp
. . . Brine shrimp
. . . Opossum shrimp
. . . Pink shrimp
. . Zooplankton
. Birds
. . Ducks (wild)
. . . American widgeon
. . . Barrows goldeneye duck
. . . Black duck
. . . Blue-winged teal
. . . Bufflehead duck
. . . Canvasback duck
. . . Coastal diving ducks
. . . Common eider duck
. . . Common goldeneye duck
. . . Common merganser duck
. . . Common teal
. . . European widgeon
. . . Fulvous tree duck
. . . Gadwall duck
. . . Greater scaup duck
. . . Green-winged teal
. . . Lesser scaup duck
. . . Mallard duck
. . . Mexican duck
. . . Mottled ducks
. . . Oldsquaw duck
. . . Pintail ducks
. . . Puddleducks
. . . Redhead duck
. . . Ring-necked duck
. . . Ruddy duck
. . . Shoveler duck
. . . Stellers eider duck
. . . White-winged scoter
. . . Wood duck
. . Game birds
. . Geese (wild)
. . . Black brant
. . . Blue goose
. . . Brant
. . . Canada goose
. . . Emperor goose
. . . Snow goose
. . . White-fronted goose
. . Gulls
. . Migratory birds
. . Non-game birds
. . Non-migratory birds
. . Nuisance birds
. . Poultry
. . Shore birds
. . Song birds
. . Swans
. . . Mute swan
. . . Trumpeter swan
. . . Whistling swan
. . Wading birds
. . Water birds
. . Waterfowl
. Bloodworms
. Burrowing animals
. Carnivores
. Domestic animals
. Frogs
. Furbearers
. Halophilic animals
. Herbivores
. Insects
. . Aquatic insects
. . Caddisflies
. . Diptera
. . Dobsonflies
. . Dragonflies
. . Lacewings
. . Mayflies
. . Midges
. . Mosquitoes
. . Stoneflies
. . Water beetles
. Invertebrates
. Laboratory animals
. Larvae
. Mammals
. . Cattle
. . Deer
. . Goats
. . Hogs
. . Livestock
. . Man
. . Mink
. . Otters
. . Peccary
. . Rodents
. . . Beavers
. . . Gophers
. . . Muskrats
. . Ruminants
. . Sheep
. Mites
. Nematodes
. Omnivores
. Protozoa

Animals (Con.)
. Reptiles
. . Snakes
. . Turtles
. Scavengers
. Small animals (mammals)
. Thermophilic animals
. Toads
. Wildlife
. . Big game
. . Small game
. Worms
. . Annelids
. . Oligochaetes
. . Sludge worms
. . Trematodes
. . Tubificids
. Xerophilic animals

Appraisals
. Land appraisal

Aquatic life
. Amphipoda
. Aquatic animals
. Aquatic insects
. Aquatic microorganisms
. Aquatic plants
. . Amphibious plants
. . Aquatic algae
. . . Chara
. . . Diatoms
. . . Dinoflagellates
. . . Euglena
. . . Euglenophyta
. . . Marine algae
. . . Nuisance algae
. . . Ochromonas
. . . Odor producing algae
. . . Pyrrophyta
. . . Rhodophyta
. . . Scenedesmus
. . . Taste producing algae
. . Aquatic bacteria
. . Aquatic fungi
. . Aquatic weeds
. . . Alligatorweed
. . . Floating weeds
. . . Pondweeds
. . . Sago pondweed
. . . Submersed weeds
. . . Water hyacinth
. . Beggiatoa
. . Bulrush
. . Cattails
. . Chlamydomonas
. . Ditch grass
. . Ferrobacillus
. . Floating plants
. . Marine bacteria
. . Marine fungi
. . Marine plants
. . Rooted aquatic plants
. . Sphaerotilus
. . Submerged plants
. . Thermophilic bacteria
. . Widgeon grass
. . Wild rice
. Benthos
. . Benthic fauna
. . Benthic flora
. Ducks (wild)
. Fish
. Geese (wild)
. Marine animals
. Marine microorganisms
. Nannoplankton
. Periphyton
. Phytoplankton
. Plankton

Aquiculture
. Fish farming

Aquifers
. Artesian aquifers
. Strip aquifers
. Two part aquifers

Astronomical bodies
. Moon
. Planets
. . Earth (planet)
. . Mars (planet)
. Stars
. . Sun

Attractants
. Fish attractants
. Insect attractants
. Mammalian attractants

Avalanches
. Debris avalanches

B

Barriers
. Debris barriers
. . Trashracks
. Fish barriers
. Groundwater barriers
. Salt water barriers

Bars
. Deformed bars

Bearing capacity
. Pile bearing capacities

Bearings
. Journal bearings
. Roller bearings
. Thrust bearings

Beautification
. Highway beautification

Beds
. Beds under water
. Channel beds
. Dry beds
. Lake beds
. River beds
. Streambeds

Behavior
. Animal behavior
. Fish behavior
. Human behavior
. Insect behavior
. Social behavior
. Structural behavior
. Thermodynamic behavior

Bends (hydraulic)
. Pipe bends

Benefits
. Annual benefits
. Annual equivalent benefits
. Comparative benefits
. Deferred benefits
. Direct benefits
. Estimated benefits
. Fringe benefits
. Implied benefits
. Indirect benefits
. Induced benefits
. Intangible benefits
. Lagged benefits
. Manual benefits
. Marginal benefits
. Monetary benefits
. Non reimbursable benefits
. Project benefits
. Public benefits
. Real benefits
. Tangible benefits

Biological communities
. Dominant organisms
. Ecotypes

Biomes
. Coniferous forests
. Deciduous forests
. Deserts
. Grasslands
. Pasture
. Rain forests
. Tundra

Blankets
. Gravel blankets
. Impervious blankets
. Pervious blankets
. Rock blankets

Blasting
. Presplit blasting
. Smooth wall blasting

Blasts
. Nuclear explosions
. Underground explosions
. Underwater explosions

Boats
. Catamarans

Bodies of water
. Bayous
. Bays (topographic features)
. Estuaries
. Gulfs
. Impoundments
. . Early impoundment
. . Reservoirs
. . . Afterbays
. . . Detention reservoirs
. . . Equalizing reservoirs
. . . Evaporation reservoirs
. . . Forebays
. . . Multiple purpose reservoirs
. Navigable waters
. . Harbors
. . Inland waterways
. Oceans
. Running waters
. . Rivers
. . . Interstate rivers
. . . Navigable rivers
. . . Wild rivers
. . Springs (water)
. . . Cold springs
. . . Geysers
. . . Hot springs
. . . Lake bottom springs
. . . Thermal springs
. . . Warm springs
. . Streams
. . . Acid streams
. . . Alluvial streams
. . . Effluent streams
. . . Ephemeral streams
. . . Influent streams
. . . Intermittent streams
. . . Natural streams
. . . Non perennial streams
. . . Perennial streams
. . . Tributaries
. . . Underground streams
. Standing waters
. . Iced lakes
. . Lakes
. . . Playa lakes
. . . Saline lakes
. . . Strip mine lakes
. Inlets (waterways)
. . Ponds
. . . Farm ponds
. . . Great ponds
. . . Oxidation lagoons
. . . Sagponds
. . . Stock ponds
. . . Waste stabilization ponds
. Surface waters

Borings
. Auger borings

Borrow areas
. Borrow pits

Boundaries (surfaces)
. Free surfaces
. Fronts (atmospheric)
. Interfaces
. . Air earth interfaces
. . Earth water interfaces
. . . Mud water interfaces
. . . Sediment water interfaces
. . Ice water interfaces
. . Liquid gas interfaces
. . . Air water interfaces
. . . Liquid vapor interfaces
. . Oil water interfaces
. . Saline water freshwater interfaces
. Rigid boundaries

Boundary layer
. Laminar boundary layers
. Turbulent boundary layers

Bracing
. Wind bracing

Branches
. Bifurcations
. Trifurcations

Breeding
. Plant breeding

Bubbles
. Air bubbles

Budgets
. Energy budget
. . Heat budget
. Federal budget
. Hydrologic budget
. Water budget

C

Cables
. Stressing cables

Casings
. Well casings

Cells
. Pressure cells

Cements
. Bituminous cements
. . Asphalt cement
. . . Catalytically blown asphalt
. . . Cutback asphalts
. Expanding cements
. Portland cements
. . Low alkali cements
. . Low heat cements
. . Sulfate resisting cements

Census
. Creel census

Charts
. Bar graphs
. Flow charts
. Influence charts
. Organization charts

Chemical compounds
. Alcohols
. . Fatty alcohols
. . . Hexadecanol
. . . Octadecanol
. Aldehydes
. . Acroleins
. Alkaloids
. Aluminum compounds
. . Alums
. Anhydrite
. Aromatic compounds
. Arsenic compounds
. Bicarbonates
. Boron compounds
. Cadmium compounds
. Calcium compounds
. . Calcium carbonate
. . Calcium chloride
. . Calcium hydroxide
. . Calcium sulfate
. Carbohydrates
. . Cellulose
. Carbon compounds
. . Carbonates
. . Carbon dioxide
. . Carbon monoxide
. Cesium compounds
. Chlorine compounds
. . Chlorides
. . . Calcium Chloride
. . . Sodium Chloride
. Chromium compounds
. Cobalt compounds
. Copolymers
. Copper compounds
. . Copper sulfate
. Ethers
. Ethylene glycol
. Fluorescein
. Fluorine compounds
. . Fluorides
. Fulvic acids
. Germanium compounds
. Halides
. Hydrates
. Hydrocarbons

Chemical compounds (Con.)
. . Benzene
. . Bitumens
. . . Asphalts
. . . Naptha
. . . Petroleum
. . Coal tar
. . Lignins
. . . Chrome lignins
. Hydrogen sulfide
. Inorganic compounds
. Iron compounds
. . Ferrites
. . Iron oxides
. Lead compounds
. Lithium compounds
. Magnesium compounds
. . Magnesium carbonates
. . Magnesium hydroxide
. Manganese compounds
. Mercury compounds
. Molybdenum compounds
. Nickel compounds
. Niobium compounds
. Nitrogen compounds
. . Amino acids
. . Ammonia
. . Ammonium salts
. . Nitrates
. . Nitrites
. . Nitroglycerin
. Organic acids
. Organic compounds
. Oxides
. Phenols
. Phosphorus compounds
. . Phosphates
. Platinum compounds
. Polymers
. Potassium compounds
. . Potassium carbonate
. Radium compounds
. Salts
. . Fused salts
. . Soluble salts
. Selenium compounds
. Silicates
. Silicon compounds
. . Silica
. . Silicones
. Silver compounds
. . Silver iodine
. Sodium compounds
. . Sodium arsenite
. . Sodium carbonate
. . Sodium chloride
. . Sodium nitrates
. . Sodium phosphates
. . Sodium silicate
. . Sodium sulfate
. Sulfur compounds
. . Sulfates
. . Sulfides
. . Sulfite liquors
. . Sulfonates
. . Sulfuric acid
. Tin compounds
. Titanium compounds
. Tungsten compounds
. Vanadium compounds
. Zinc compounds

Chemical elements
. Aluminum
. Argon
. Barium
. Boron
. Bromine
. Cadmium
. Calcium
. Carbon
. Cesium
. Chlorine
. Chromium
. Cobalt
. Copper
. Ferrites
. Fluorine
. Germanium
. Gold
. Halogens
. Heavy metals
. Helium
. Hydrogen
. Inert gases
. Iron
. Lead (element)
. Lithium
. Magnesium
. Manganese
. Mercury (metal)
. Metals
. . Alkali metals
. . Alkaline earth metals
. . Alloys
. . . Aluminum alloys
. . . Brass
. . . Bronzes
. . . Cadmium alloys
. . . Calcium alloys
. . . Carbon alloys
. . . Carbon steels
. . . Cast iron
. . . Cast steel
. . . Chromium alloys
. . . Cobalt alloys
. . . Copper alloys
. . . Germanium alloys
. . . High strength steels
. . . Iron alloys
. . . Lead alloys
. . . Lithium alloys
. . . Low alloy steels
. . . Low carbon steel
. . . Magnesium alloys
. . . Manganese alloys
. . . Molybdenum alloys
. . . Nickel alloys
. . . Niobium alloys
. . . Phosphorus alloys
. . . Platinum alloys
. . . Potassium alloys
. . . Selenium alloys
. . . Silicon alloys
. . . Silver alloys
. . . Sodium alloys
. . . Stainless steel
. . . Steel
. . . Tin alloys
. . . Titanium alloys
. . . Tungsten alloys
. . . Vanadium alloys
. . . Zinc alloys
. . Refractory metals
. Molybdenum
. Neon
. Nickel
. Niobium
. Nitrogen
. Nonmetals
. Oxygen
. Phosphorus
. Platinum
. Plutonium
. Potassium
. Radium
. Selenium
. Silicon
. Silver
. Sodium
. Sulfur
. Tin
. Titanium
. Tungsten
. Vanadium
. Zinc

Chemical reactions
. Ammonification
. Cement-aggregate reaction
. . Alkali aggregate reactions
. Chelation
. Chlorination
. Combustion
. Decomposition
. . Degradation (decomposition)
. . . Biodegradation
. . . . Anaerobic digestion
. . . . Sludge digestion
. . . Chemical degradation
. . . . Sulfate attack
. . Thermal decomposition
. Denitrification
. Hydrogenation
. Hydrolysis
. Ionization
. Neutralization
. Nitrification
. Oxidation
. Photosynthesis
. Polymerization
. Reduction (chemical)
. Solvation

Chemicals
. Acaricides
. Acids
. . Amino acids
. . Fulvic acids
. . Humic acids
. . Mine acids
. . Organic acids
. . Sulfuric acid
. Additives
. . Admixtures
. . . Air entraining agents
. . . Retarding agents
. . . Set-regarding agents
. . . Water-reducing agents
. . Concrete additives
. . Soil amendments
. Agricultural chemicals
. . Defoliants
. . Fertilizers
. Alkalis (bases)
. Bactericides
. Buffers (chemistry)
. Deflocculants
. Detergents
. Dispersants
. Dyes
. Emulsifiers
. Flocculants
. Fluorescein
. Fumigants
. Fungicides
. Nematocides
. Oxidizers
. Pesticides
. . Aldrin
. . Algicides
. . Aliphatic pesticides
. . Aminotriazole
. . Antibiotics (pesticides)
. . Antihelminthes (pesticides)
. . Antiprotozoals (pesticides)
. . Arsenicals (pesticides)
. . Avicides
. . Carbamate pesticides
. . Chlorinated hydrocarbon pesticides
. . 2,4-D
. . Dalapon
. . DDT
. . Diazinon
. . 2,6-Dichlobinil
. . Dieldrin
. . Diquat
. . Endrin
. . Gametocides
. . Halogenated pesticides
. . Heptachlor
. . Herbicides
. . Inorganic pesticides
. . Insecticides
. . Larvicides
. . Metal organic pesticides
. . Molluscacides
. . Monuron
. . Organic pesticides
. . Organophosphorus pesticides
. . Ovicides
. . Paraquat
. . Phenolic pesticides
. . Phosphothioate pesticides
. . Piscicides
. . Post-emergents
. . Pre-emergents
. . Pyridine pesticides
. . Rodenticides
. . Spirochetalicides (pesticides)
. . 2,4,5-T
. . Thiocarbamate pesticides
. . Triazine pesticides
. . Triazole pesticides
. . Uracil pesticides
. . Urea pesticides
. . Viricides
. . Wood preservatives (pesticides)
. Plant growth regulators
. Poisons
. Reducing agents
. Salts
. Soil sterilants
. Toxins
. . Algal toxins
. . Fish toxins
. . Venoms
. Wetting agents

Circuits
. Delay circuits
. Integrated circuits
. Switching circuits
. Timing circuits

Civil law
. Torts

Classifications
. Field classifications
. Land classification
. Soil classifications
. Visual classifications

Clearing
. Land clearing
. Reservoir clearing

Climate
. Arid climates
. Cold climates
. Humid climates
. Semiarid climates
. Subhumid climates
. Wet climates

Climatology
. Climatic changes
. Microclimatology
. Paleoclimatology

Closures
. Emergency closures

Clouds
. Cap clouds
. Cirrus clouds
. Convection clouds
. Cumulonimbus clouds
. Cumulus clouds
. Fog
. . Supercooled fog
. Orographic clouds
. Smog
. Stratus clouds

Coatings
. Coal-tar epoxy paints
. Enamels
. Galvanizing
. Lacquers
. Metal coatings
. Painting
. Paints
. Protective coatings
. . Coal tar coating
. . Plastic coatings
. . Primers (coatings)
. . Vinyl-resin coatings
. Varnishes

Coefficients
. Discharge coefficients
. Evaporation coefficient
. Friction coefficient (hydraulic)
. Friction coefficient (mechanical)
. Heat transfer coefficient
. Permeability coefficients
. Poisson ratio
. Resistance coefficients
. Roughness coefficient
. Runoff coefficient
. Rupture modulus
. Storage coefficient
. Uniformity coefficient
. Variation coefficients

Colloids
. Aerosols
. Hydrosols (dispersions)

Compaction
. Soil compaction
. Vibratory compaction

Compression
. Axial compression
. . Biaxial compression
. . Triaxial compression
. Unconfined compression

Computer programs
. Computer systems programs

Computer systems hardware
. Computer storage devices
. . Magnetic tapes
. . Punched tapes

Concrete products
. Asbestos-cement pipes
. Cast-in-place piles
. Concrete piles
. Concrete pipes

Concrete technology
. Concrete mixes

Condensation
. Dew
. Dropwise condensation

Conservation
. Resource conservation
. . Fish conservation
. . Soil conservation
. . Water conservation
. . Wildlife conservation

Consistency
. Relative consistency

Consolidation
. Overconsolidation
. Preconsolidation
. Underconsolidation

Constraints
. Institutional constraints
. Political constraints

Construction
. Bridge construction
. Canal construction
. Cold weather construction
. Concrete construction
. . Concrete finishing
. . Concrete placing
. Dam construction
. Erection
. Foreign construction
. Lift slab construction
. Reservoir construction
. Road construction
. Tunnel construction
. . Tunneling
. Underwater construction

Construction methods
. Explosive construction
. Lift slab construction
. Puddling

Construction plants
. Asphalt plants
. Concrete plants

Consumers
. Water users

Consumption
. Water consumption

Containers
. Autoclaves
. Bins
. Buckets
. Drums
. Hoppers
. Silos
. Tanks (containers)
. . Concrete tanks
. . Digestion tanks
. . Evaporation tanks
. . Sedimentation tanks
. . Septic tanks
. . Storage tanks
. . Surge tanks
. . Water tanks
. . . Cisterns
. Vessels
. . Pressure vessels

Contamination
. Radioactive contamination
. Soil contamination

Contracts
. Change orders
. Claims (contracts)
. Repayment contracts
. Supply contracts

Control
. Animal control
. . Fish guiding
. Automatic control
. Biocontrol
. Cavitation control
. Chemcontrol
. Concrete control
. Construction control
. Contour farming
. Corrosion control
. . Anodic protection
. . Cathodic protection
. . Rust control
. Cultural control
. Dust control
. Erosion control
. Evaporation control
. Evapotranspiration control
. Field control
. Flood control
. Flow control
. . Flow augmentation
. . . Low flow augmentation
. Gate control
. Geologic control
. Governors
. Load frequency control
. Manual control
. Materials control
. Mechanical control
. Pest control
. . Algal control
. . Insect control
. . Weed control
. . . Aquatic weed control
. . . Brush control
. Phase control
. Physical control
. Pollution control
. . Air pollution control
. . Water pollution control
. Quality control
. . Statistical quality control
. . Water quality control
. Rapid compaction control
. Remote control
. Sediment control
. Seepage control
. Supervisory control (power)
. Temperature control
. Transpiration control
. Water control

Control equipment
. Electric switches
. . Air switches
. . Circuit breakers
. . . Airblast circuit breakers
. . Disconnecting switches
. . Electric relays
. . Interrupters
. . Interrupter switches
. . Thermostats
. Pressure regulators
. Relief valves
. Servomechanisms
. Voltage regulators

Conversion
. Energy conversion

Coordinates
. Grid systems

Corrosion
. Atmospheric corrosion
. Galvanic corrosion
. . Stray current corrosion
. Rusting
. Scale (corrosion)
. Sea water corrosion
. Stress corrosion
. Underground corrosion
. Underwater corrosion

Costs
. Adjusted costs
. Administrative costs
. Alternative costs
. Annual costs
. Annual equivalent costs
. Associated costs
. Average costs
. Capital costs
. Comparative costs
. Construction costs
. Contingency costs
. Deferred costs
. Direct costs
. Drainage costs
. Electric power costs
. Engineering costs
. Equipment costs
. Estimated costs
. Fixed costs
. Indirect costs
. Induced costs
. Initial costs
. Installation costs
. Insurance costs
. Intangible costs
. Joint costs
. Labor costs
. Maintenance costs
. Marginal costs
. Non-reimbursable costs
. Operating costs
. Operation and maintenance costs
. Overhead costs
. Real costs
. Reimbursable costs
. Replacement costs
. Separable costs
. Specific costs
. Tangible costs
. Total costs
. Unit costs
. Variable costs
. Water costs

Counters
. Geiger counters
. Neutron counters
. Scintillation counters

Couplings
. Flexible couplings

Cracks
. Shear cracks

Criteria
. Design criteria
. Operating criteria

Crystals
. Clathrates
. Ice crystals

Curing
. Fog curing
. Steam curing

Currents (water)
. Density currents
. Eddies
. Ocean currents
. . Rip currents
. Turbidity currents

Curtains
. Grout curtains

Cutting
. Machining

Cycles
. Carbon cycle
. Hydrologic cycle
. Nitrogen cycle

D

Damages
. Flood damage

Damping
. Vibration damping

Dating
. Dendrochronology
. Radioactive dating

Deflectors
. Flow deflectors

Degradation
. Degradation (decomposition)
. . Biodegradation
. . . Anaerobic digestion
. . . Sludge digestion
. . Chemical degradation
. . . Sulfate attack
. Degradation (stream)

Demand
. Electric power demand
. Recreation demand
. Water demand

Depletion
. Groundwater depletion

Design
. Canal design
. Channel design
. Electrical design
. Foreign design practices
. Hydraulic design
. Irrigation design
. Network design
. Optimum design
. Pipe design
. Reservoir design
. Road design
. Seismic design
. Structural design
. . Bridge design
. . Building design
. . Dam design
. . Limit design
. . Minimum weight design
. Tunnel design

Detection
. Sounding

Detectors
. Depth recorders
. Hydrophones
. Metal detectors
. Scintillation counters
. Sensors
. . Infrared detectors
. . Moisture sensors
. . Pressure sensors
. . Radiation detectors
. . . Geiger counters
. . . Photometers
. . Seismographs
. . Temperature sensors
. . . Thermocouples
. . . Thermometers

Diagrams
. Arrow diagrams
. Phase diagrams

Diets
. Fish diets

Diffraction
. X-ray diffraction

Digestion
. Anaerobic digestion
. Sludge digestion

Dilution
. Waste dilution

Discharge (water)
. Peak discharge

Diseases
. Animal diseases
. Botulism
. Fish diseases
. Human diseases
. Plant diseases
. . Blights
. . Blotches
. . Non-parasitic diseases (plant)
. . Rots
. . Rusts (fungi)
. . Scabs
. . Smuts
. . Spots
. . Wilts
. Soil-borne diseases
. Zoonoses

Disposal
. Refuse disposal
. Ultimate disposal
. Waste disposal
. . Brine disposal
. . Radioactive waste disposal
. . Sewage disposal
. . Sludge disposal
. . Toxic waste disposal
. . Waste dilution
. Waste water disposal

Distribution
. Diurnal distribution
. Ecological distribution
. Load distribution
. Moment distribution
. Pressure distribution
. Sediment distribution
. Shear distribution
. Spatial distribution
. Temporal distribution

Distribution (Con.)
. Water distribution (applied)

Disturbances
. Solar disturbances

Ditches
. Furrows
. . Contour furrows
. Irrigation ditches

Docks
. Drydocks

Documentation
. Abstracts
. Dictionaries
. Directories
. Reports
. . Progress reports
. Streamflow records
. Tables (data)
. . Mathematical tables
. . Steam tables
. Technical papers

Drag
. Pressure drag

Drainage
. Controlled drainage
. Furrow drainage
. Mine drainage
. Mole drainage
. Subsurface drainage
. Superimposed drainage
. Surface drainage
. Tile drainage
. Tile drains
. Underdrains

Drawdown
. Rapid drawdown

Drift
. Aquatic drift
. . Driftwood
. . Flotsam
. . Jetsam
. . Tripton
. Littoral drift
. Pesticide drift

Drilling
. Core drilling
. Percussion drilling
. Rotary drilling

Drives
. Variable speed drives

Drops (fluids)
. Raindrops

Drying
. Forced drying
. Freeze drying
. Vacuum drying

Dust
. Sawdust

E

Earthquakes
. Design earthquake

Earthworks
. Embankments
. . Canal embankments
. . Dikes
. . Earth Dams
. . . Hydraulic fill dams
. . Levees
. . Roadbanks
. . Zoned embankments
. Rockfill dams
. Terraces

Easements
. Scenic easements

Ecology
. Environmental gradient
. Physiological ecology
. Primary productivity
. Radioecology
. Secondary productivity

Economies
. Economies of scale

Ecosystems
. Biorhythms
. Succession
. . Allogenic succession
. . Annual succession
. . Autogenic succession
. . Climax
. . . Climatic climax
. . . Disclimax
. . . Postclimax
. . . Preclimax
. . . Subclimax
. . Dune succession
. . Lake stages
. . . Emerging vegetation stage
. . . Pioneer stage
. . . Submerged vegetation stage
. . . Temporary pond stage

Education
. Engineering education

Effects
. Air pollution effects
. Drainage effects
. Environmental effects
. Highway effects
. Irrigation effects
. Radioactivity effects
. Soil contamination effects
. Third party effects
. Tidal effects
. Vegetation effects
. Water pollution effects

Efficiencies
. Barometric efficiency
. Economic efficiency
. Irrigation efficiency
. Plant efficiencies
. Turbine efficiency

Effluents
. Sewage effluents

Elastomers
. Rubber
. . Foam rubber
. Synthetic rubber

Electric cables
. Buried cables
. Coaxial cables
. Power cables
. Underground cables

Electric conductors
. Electrolytes
. Superconductors

Electric current
. Alternating current
. Corrosion currents
. Direct current
. Eddy currents
. Electric discharges
. . Electric arcs
. . Electric coronas
. . Flashover
. . Lightning
. Ground currents
. Induced currents
. Leakage current

Electric potential
. Extra high voltage
. High voltage
. Ultra high voltage

Electric power production
. Thermal power

Electrodes
. Anodes
. Cathodes

Electromagnetic properties
. Color
. Reflectivity

Employment
. Full employment
. Under employment
. Unemployment

Emulsions
. Asphalt emulsions
. . Cationic asphalt emulsions

Energy
. Activation energy
. Firm energy
. Free energy
. Heat
. . Latent heat
. . Waste heat
. Heat of hydration
. Kinetic energy
. Nuclear energy
. Potential energy
. Strain energy
. Thermal energy
. Tidal energy
. Wave energy

Energy dissipation
. Energy losses

Entrainment
. Air entrainment

Entrances (fluid flow)
. Bellmouths

Envelopes
. Mohr envelope

Environments
. Abiotic environment
. Air environment
. Aquatic environment
. . Estuarine environment
. . Lentic environments
. . Lotic environment
. Habitats
. . Aquatic habitats
. . . Deep water habitats
. . Overwintering sites
. . Terrestrial habitats
. . Wildlife habitats
. Microenvironment
. Soil environment

Equations
. Chezy equation
. Continuity equation
. Darcy Weisbach equation
. Energy equation
. Estimating equations
. Hazen Williams equation
. Hydrologic equation
. Kutter formula
. Laplace equation
. Mannings equation
. Momentum equation
. Theis equation
. Thiems equation
. Yield equations

Equipment
. Acoustic equipment
. Airborne equipment
. Application equipment
. Autoclaves
. Boilers
. Centrifuges
. Compressors
. . Air compressors
. Condensers (liquefiers)
. Construction equipment
. . Asphalt plants
. . Compaction equipment
. . . Drum rollers
. . . Pneumatic tired rollers
. . . Rollers
. . . Sheepsfoot roller
. . . Tamping rollers
. . Concrete plants
. . Cranes (hoists)
. . . Overhead cranes
. . . Traveling cranes
. . Earth handling equipment
. . . Excavators
. . . . Clamshells
. . . . Draglines
. . . . Dredges
. . . . Shovels
. . . . Tunneling machines
. . . . Wheel excavators
. . . Scarifiers
. . Mixers
. . . Transit mixers
. . Packers (grouting)
. . Rock crushers
. . Screeds
. . Tractors
. . . Bulldozers
. . Wellpoints
. Conveyors
. . Belt conveyors
. Dehydrators
. Drilling equipment
. . Drills
. . . Augers
. . . Calyx drills
. . . Hand augers
. Drill monitors
. Dryers
. Electrical equipment
. . Capacitors
. . Converters (electrical)
. . . Frequency converters
. . Electrical insulators
. . . Suspension insulators
. . Electrical shocking gear
. . Electric generators
. . . Dynamometers
. . . Magnetos
. . . Motor generators
. . . Turbogenerators
. . Electric motors
. . . Induction motors
. . Electric reactors
. . Electric switches
. . . Airblast circuit breakers
. . . Air switches
. . . Circuit breakers
. . . Disconnecting switches
. . . Electric relays
. . . Interrupters
. . . Interrupter switches
. . Frequency stabilizers
. . Lightning arresters
. . Rectifiers
. . Stators
. . Switchgear
. . Thermostats
. . Transformers
. . . Autotransformers
. . . Current transformers
. . . Instrument transformers
. . . Potential transformers
. . . Power transformers
. . Voltage regulators
. Electric wire
. Electronic equipment
. . Computers
. . . Analog computers
. . . Digital computers
. . . Hybrid computers
. . Oscillators
. . Oscillographs
. . Oscilloscopes
. Evaporators
. . Flash evaporators
. Farm equipment
. Feeders
. Generators
. . Electric generators
. . Oscillators
. . Signal generators
. . Silver Iodide generators
. Geophones
. Hydraulic equipment
. . Hydraulic gates
. . . Bulkhead gates
. . . Coaster gates
. . . Drum gates
. . . Emergency gates
. . . Fixed wheel gates
. . . Floodgates
. . . Gate control
. . . High pressure gates
. . . Intake gates
. . . Miter gates
. . . Radial gates
. . . Roller gates
. . . Roller-mounted gates
. . . Sector gates
. . . Slide gates
. . . Sluice gates
. . . Spillway gates
. . . Stoney gates
. . . Turnout gates
. . . Wicket gates
. . Hydraulic machinery
. . Hydraulic turbines
. . . Axial flow turbines

Equipment (Con.)
. . . Bulb turbines
. . . Francis turbines
. . . Impulse turbines
. . . Kaplan turbines
. . . Pelton turbines
. . . Reaction turbines
. . . Reversible turbines
. . . Tube turbines
. . Hydraulic valves
. . . Butterfly valves
. . . Check valves
. . . Flap valves
. . . Gate valves
. . . Globe valves
. . . High pressure valves
. . . Hollow jet valves
. . . Needle valves
. . . Plug valves
. . . Sleeve valves
. . Pumps
. . . Centrifugal pumps
. . . Feed pumps
. . . Jet pumps
. . . Mixed flow pumps
. . . Porpeller pumps
. . . Reciprocating pumps
. . . Rotary pumps
. . . Vacuum pumps
. . Pump turbines
. . . Deriaz pump turbine
. . Water wheels
. Hydrophones
. Laboratory equipment
. Lighting equipment
. Maintenance equipment
. Measuring instruments
. . Accelerometers
. . Altimeters
. . Anemometers
. . . Hot film anemometers
. . . Hot wire anemometers
. . Calorimeters
. . Clocks
. . . Chronometers
. . Dynamometers
. . Electric bridges
. . . Wheatstone bridge
. . Evapotranspirometers
. . Extensometers
. . Gages
. . . Barometers
. . . Dial gages
. . . Hook gages
. . . Liquid level gages
. . . Manometers
. . . Piezometers
. . . Porous tube piezometers
. . . Precipitation gages
. . . Pressure gages
. . . Rain gages
. . . Snow gages
. . . Staff gages
. . . Strain gages
. . . Stream gages
. . . Stress gages
. . . Weir gages
. . Galvanometers
. . Geodimeters
. . Gravimeters
. . Interferometers
. . Lysimeters
. . Magnetometers
. . Meters
. . . Ammeters
. . . Current meters
. . . Densimeters
. . . Flowmeters
. . . Hydrometers
. . . Inclinometers
. . . Nuclear density meters
. . . Ohmmeters
. . . Orifice meters
. . . Penetrometers
. . . Potentiometers
. . . Propeller meters
. . . Salinity meters
. . . Strain meters
. . . Stress meters
. . . Tiltmeters
. . . Turbidimeters
. . . Velocity meters
. . . Venturi meters
. . . Viscometers
. . . Voltmeters
. . . Volumetric meters
. . . Water meters
. . . Wattmeters
. . Micrometers
. . Moisture meters
. . . Nuclear moisture meters
. . . Soil moisture meters
. . Oscillographs
. . Oscilloscopes
. . Permeameters
. . Plumblines
. . Pressure cells
. . Pressure measuring instruments
. . Radiation detectors
. . Radiation measurement
. . Radiation measuring equipment
. . . Geiger counters
. . . Neutron counters
. . . Photometers
. . . Radiometers
. . . Scintillation counters
. . Radiosondes
. . Rotating meters
. . Seismographs
. . Sextants
. . Slope indicators
. . Soniscopes
. . Spectrometers
. . Tellurometers
. . Tensiometers
. . Thermocouples
. . Thermographs
. . Thermometers
. Mechanical equipment
. Metal detectors
. Obsolete equipment
. Office equipment
. . Calculators
. Rental equipment
. Research equipment
. Sensors
. . Infrared detectors
. . Moisture sensors
. . Pressure sensors
. . Radiation detectors
. . Temperature sensors
. Solar stills
. Test equipment
. . Frequency analyzers
. . Interference analyzers
. . Test machines
. . Wind tunnels
. Theodolites
. Vibration tables
. Vibrators (mechanical)
. Wave tanks

Erosion
. Accelerated erosion
. Bank erosion
. Beach erosion
. Channel erosion
. Degradation (stream)
. Gully erosion
. Mass wasting
. . Landslides
. . . Debris avalanches
. . . Rockslides
. . Solifluction
. Piping (erosion)
. Rill erosion
. Scour
. Sheet erosion
. Soil erosion
. Stream erosion
. Wind erosion

Evaluation
. Engineering evaluation
. Land appraisal
. Product evaluation

Evapotranspiration
. Potential evapotranspiration

Excavation
. Explosive excavation
. . Nuclear excavation
. Hydraulic excavation
. Overexcavation
. Quarrying
. Rapid excavation
. Rock excavation
. Tunnel construction
. Tunneling
. Underwater excavation
. . Dredging

Expansive forces
. Swelling pressure

Exploration
. Geophysical prospecting
. . Electrical prospecting
. . . Electrical logging
. . . Electrical well logging
. . Geothermal prospecting
. . Gravimetric prospecting
. . Magnetic surveys
. . Resistivity surveys
. . Seismic prospecting
. . . Seismic refraction

Explosions
. Nuclear explosions
. Underground explosions
. Underwater explosions

Explosives
. Charges (explosives)
. Nitroglycerin

F

Facilities
. Fish handling facilities
. Recreation facilities
. . Camp sites
. . Playgrounds
. . Swimming pools
. Research facilities
. Test facilities
. . Experimental farms
. . Laboratories
. . . Field laboratories
. . . Hydraulic laboratories
. . . Mobile laboratories
. . Shock tubes
. . Test canals
. . Test machines
. . Wind tunnels
. Treatment facilities

Failure
. Bridge failure
. Dam failure
. Electric power failure
. . Electrical faults
. . . Short circuits
. Failure (mechanics)
. . Materials failure
. . Plastic failure
. . Shear failure
. Foundation failure
. Tunnel failure

Farms
. Demonstration farms
. Development farms
. Experimental farms
. Farm units

Fasteners
. Anchors
. . Belled anchors
. Mechanical fasteners
. . Bolts
. . . Anchor bolts
. . . Rock bolts
. . . Roof bolts
. . Dowels
. . Nails
. . Pins (mechanical)
. . Screws

Feasibility
. Economic feasibility
. Financial feasibility
. Project feasibility
. Technical feasibility

Feeds
. Hay
. Silage

Fibers
. Fibers (plant)
. Glass fibers
. Rayon
. Synthetic fibers

Fillers
. Joint fillers

Fills
. Backfills
. Earthfill
. Hydraulic fills
. Landfills
. Rock fills
. Rolled fills
. Test fills

Films
. Monomolecular films
. Thin films

Filters
. Air filters
. Electromagnetic wave filters
. Fluid filters
. Inverted filters
. Meus-membrane filters
. Trickling filters
. Well filters

Fines
. Clays
. . Adobe
. . Expansive clays
. . . Bentonite
. . Kaolin
. . Marine clays
. . Organic clays
. . Quick clays
. Organic silts

Finishes
. Coal-tar epoxy paints
. Enamels
. Lacquers
. Paints
. Varnishes

Finishing
. Concrete finishing

Fish control agents
. Fish attractants
. Fish repellents
. Fish sterilants
. Piscicides
. Rotenone

Fisheries
. Estuarine fisheries
. Lake fisheries
. Marine fisheries
. Reservoir fisheries
. Stream fisheries

Fishing
. Bait fishing
. Cold-water fishing
. Commercial fishing
. Electro-fishing
. Fly fishing
. Ice fishing
. Sport fishing
. Surf-casting
. Trawling
. Warm-water fishing

Fittings
. Compression fittings
. Hose fittings
. Pipe fittings

Flooding
. Flood irrigation

Floods
. Annual floods
. Design flood
. Flash flood
. Historic flood
. Maximum probable flood
. Peak floods
. Regional flood
. Sheet floods
. Spillway design flood

Fluids
. Gases
. . Air
. . . Compressed air
. . . Entrapped air
. . Coal gas
. . Dissolved gases
. . . Dissolved oxygen
. . Inert gases

Fluids (Con.)
. . Natural gas
. . Soil gases
. . Vapors
. . . Precipitable water
. . . Water vapor
. Oils
. . Fuel oil
. . Insulating oil
. . Linseed oil
. . Transformer oils
. Water
. . Adsorbed water
. . Brackish water
. . Brines
. . Capillary water
. . Connate water
. . Cooling water
. . Excess water (soils)
. . Feed water
. . Fresh water
. . Fringe water
. . Gravitational water
. . Groundwater
. . . Artesian water
. . . Confined water
. . . Malenclaves
. . . Perched water
. . . Percolating water
. . . Saline groundwater
. . . Underflow
. . Heavy water
. . Hygroscopic water
. . Industrial water
. . Irrigation water
. . . Return flow
. . Juvenile water
. . Lakes
. . Melt water
. . Mine water
. . . Acid mine water
. . Municipal water
. . Phreatic water
. . Potable water
. . Reclaimed water
. . Saline water
. . Sea water
. . Snowmelt
. . Soil water
. . Supplemental water
. . Surface waters
. . . Gulfs
. . . Lakes
. . . Natural streams
. . . Oceans
. . . Ponds
. . . Rivers
. . Vadose water
. . Waste water

Forecasting
. Economic prediction
. Flood forecasting
. River forecasting
. Runoff forecasting
. Streamflow forecasting
. Water supply forecasting
. Weather forecasting

Foreign trade
. Export
. Import

Forests
. Coniferous forests
. Deciduous forests
. Mixed forests
. Mountain forests
. National forests
. Rain forests

Formal logic
. Mathematical logic
. . Algorithms
. Methodology
. . Critical path method
. . Least squares method
. . Monte Carlo method
. . Procedures
. . Relaxation method
. . Scientific method
. Reasoning

Formulas
. Kutter formula
. Pile driving formulas
. Rational formula

Formwork (construction)
. Slip forms

Fossil fuels
. Coal
. Fuel oil
. Lignite

Foundations
. Bridge foundations
. Dam foundations
. Flexible foundations
. Footings
. . Auger-type footings
. . Belled footings
. . Grillage footings
. . Pad footings
. . Pressed plate footings
. . Spread footings
. . Uplift footings
. Pile foundations
. Rigid foundations
. Rock foundations
. Spread foundations
. Underwater foundations

Fractures
. Brittle fractures

Frames
. Continuous frames
. Rigid frames
. Space frames

Freezing
. Flash freezing

Frequency
. High frequency
. Low frequency
. Natural frequency

Furnaces
. Blast furnaces
. Kilns

G

Gates
. Hydraulic gates
. . Bulkhead gates
. . Coaster gates
. . Drum gates
. . Emergency gates
. . Fixed wheel gates
. . Floodgates
. . High pressure gates
. . Intake gates
. . Miter gates
. . Radial gates
. . Roller gates
. . Roller-mounted gates
. . Sector gates
. . Slide gates
. . Sluice gates
. . Spillway gates
. . Stoney gates
. . Turnout gates
. . Wicket gates
. Metergates

Genetics
. Fish genetics

Geologic deposits
. Alluvial deposits
. . Moraines
. . Sand bars
. . Terrace deposits
. Alluvium
. Colluvium
. . Talus
. Detritus
. Glacial deposits
. . Glacial soils
. . Moraines
. Rock flour

Geologic structures
. Faults (geology)
. Fissures (geology)
. Folds (geology)
. Foliation
. Joints (geology)
. Varves

Geologic time
. Cenozoic era
. . Quaternary period
. . . Pleistocene epoch
. . . Recent epoch
. . Tertiary period
. Mesozoic era
. Paleozoic era
. Precambrian eras

Geometric shapes
. Circles (geometry)
. . Stress circle
. . . Mohr circle
. Cones (mathematics)
. Curves
. . Area capacity curves
. . Compression curves
. . Draft storage curves
. . Drawdown curves
. . Flow duration curves
. . Frequency curves
. . Helixes
. . Horizontal curves
. . Mass curves
. . Proctor curves
. . Stress-strain curves
. Disks (shapes)
. Prisms
. Spheres
. Spirals

Governments
. Federal government
. Local governments
. State governments
. United States government

Gradients
. Energy gradient
. Hydraulic gradient
. Thermal gradient

Groundwater sources
. Influent streams
. Precipitation (atmospheric)
. . Antecedent precipitation
. . Drizzle
. . Effective precipitation
. . Excessive precipitation
. . Hail
. . Induced precipitation
. . Orographic precipitation
. . Precipitation excess
. . Probable maximum precipitation
. . Rain
. . Sleet
. . Snow
. . . Firn
. . . Graupel

Grouting
. Blanket grouting

Growth
. Crystal growth
. Economic growth
. Plant growth
. Vegetation regrowth
. Weed growth

Growth stages
. Ammocetes
. Diapause
. Eggs
. . Bird eggs
. . Fish eggs
. . Insect eggs
. Embryonic growth stage
. Immature growth stage
. Juvenile growth stage
. Larval growth stage
. Mature growth stage
. Sexual maturity

H

Hammers
. Chipping hammers

Hardening
. Strain hardening

Harvesting
. Water harvesting

Hazards
. Radiation hazards

Head (fluid mechanics)
. High head
. Low head
. Power head
. Pressure head
. Velocity head

Health
. Public health

Heat resistant alloys
. Molybdenum alloys
. Niobium alloys
. Titanium alloys
. Tungsten alloys

Heaving
. Frost heaving

Hosts
. Intermediate hosts

Hot winds
. Chinook

Hydrographs
. Flood hydrographs
. Unit hydrographs

Hydrologic aspects
. Extraterrestrial hydrology
. Hydrography
. Paleolimnology
. Parametric hydrology
. Synthetic hydrology

Hydrology
. Flood hydrology
. Groundwater hydrology
. Paleohydrology
. Parametric hydrology

I

Ice
. Anchor ice
. Floating ice
. Frazil ice
. Hail
. Icebergs
. Lake ice
. Rime
. Sea ice

Income
. Adjusted income
. Average income
. Gross income
. Incremental income
. Marginal income
. National income
. Net income
. Real income

Indexes (Ratios)
. Cost indexes

Indexing
. Coordinate indexing

Indicators
. Bioindicators
. Tiltmeters

Industrial plants
. Canneries
. Mills
. . Ball mills
. . Rod mills
. . Saw mills
. Powerplants
. . Electric powerplants
. . . Dual-purpose nuclear plants
. . . Hydroelectric powerplants

Industrial plants (Con.)
. . . Nuclear powerplants
. . . Thermal powerplants
. . . Tidal powerplants
. . Geothermal powerplants
. . Underground powerplants
. Pumping plants

Industries
. Commercial fishing
. Diary industry
. Electrical industry
. Electric power industry
. Lumbering
. Mineral industry
. Oil industry
. Pulp and paper industry
. Steel industries

Information
. Experimental data
. Field data
. Mathematical tables
. Meteorological data
. Tables (data)

Input-output analysis
. Leontief models

Inspection
. Radiographic inspection
. X ray inspection

Installation
. Equipment installation

Instruction
. Programmed instruction

Instrumentation
. Accelerometers
. Altimeters
. Ammeters
. Anemometers
. Atmometers
. Balloons
. Barometers
. Bathythermographs
. Bouyoucos blocks
. Calorimeters
. Cameras
. . Borehole cameras
. . . Drill hole TV cameras
. Chronometers
. Clocks
. Current meters
. Dial gages
. Dissolved oxygen analyzers
. Drift bottles
. Drill monitors
. Dynamometers
. Electric bridges
. Evaporation pans
. Evapotranspirometers
. Extensometers
. Fathometers
. Flowmeters
. Gages
. Galvanometers
. Geiger counters
. Geodimeters
. Geophones
. Gravimeters
. Gyroscopes
. Hot film anemometers
. Hot wire anemometers
. Hydrologic instruments
. . Hook gages
. . Liquid level gages
. . Manometers
. . Precipitation gages
. . Pressure gages
. . Rain gages
. . Snow gages
. . Snow samplers
. . Staff gages
. . Stream gages
. . Water meters
. . Weir gages
. Hydrometers
. Hydrophones
. Inclinometers
. Infiltrometers
. Infrared detectors
. Lysimeters
. Magnetometers
. Measuring instruments
. Metal detectors
. Meters
. Micrometers
. Moisture meters
. . Nuclear moisture meters
. . Soil moisture meters
. Moisture sensors
. Nansen bottles
. Neutron counters
. Nuclear density meters
. Nuclear meters
. Ohmmeters
. Optical instruments
. . Collimators
. . Interferometers
. . Microscopes
. . Polariscopes
. . Sextants
. . Stereoscopes
. . Theodolites
. Orifice meters
. Oscillographs
. Oscilloscopes
. Penetrometers
. Permeameters
. Photometers
. Phytometers
. Piezometers
. Pitot spheres
. Pitot tubes
. Plumblines
. Porous tube piezometers
. Potentiometers
. Pressure gages
. Pressure measuring instruments
. Pressure sensors
. Radiation detectors
. Radiation measuring equipment
. Radiometers
. Radiosondes
. Receivers
. Recording systems
. . Depth recorders
. Repeaters (communications)
. Rotating meters
. Salinity meters
. Scintilliation counters
. Seismographs
. Soil density probes
. Soniscopes
. Spectrometers
. Strain meters
. Stress meters
. Surveying instruments
. Tellurometers
. Temperature sensors
. Tensiometers
. Thermogalvanic cells
. Thermometers
. Tiltmeters
. Transmitters
. Turbidimeters
. Velocity meters
. Venturi meters
. Voltmeters
. Volumetric meters
. Water stage recorders
. Wattmeters
. Wheatstone bridge

Insulation
. Acoustic insulation
. Electrical insulation
. Mechanical insulation
. Thermal insulation

Insurance
. Flood plain insurance

Intensity
. Rainfall intensity

Interconnected systems
. Power grids

Interference
. Atmospherics
. Radio interference

Internal combustion engines
. Diesel engines

Inverters
. Rectifiers

Investigations
. Field investigations
. . Field tests
. . . Field permeability tests
. . . Foundation bearing tests
. . . In situ tests
. . . Jacking tests
. . . Permeability tests
. . . Plate load tests
. . . Ponding tests
. Foundation investigations
. Geologic investigations
. . Petrographic investigations
. Preliminary investigations
. Seismic investigations
. Soil investigations
. Subsurface investigations

Ions
. Anions
. Cations
. Protons

Ion transport
. Ion diffusion

Irrigation
. Irrigation systems
. . Buried irrigation systems
. . Distribution systems
. . Gravity irrigation
. . Mist irrigation
. . Recirculating irrigation system
. . Sprinkler irrigation
. . Subsurface irrigation
. . . Mole irrigation
. . Surface irrigation
. . . Border irrigation
. . . Flood irrigation
. . . Furrow irrigation
. . . Trickle irrigation
. Supplemental irrigation

Irrigation practices
. Supplemental irrigation

Isotopes
. Deuterium
. Radioisotopes
. . Arsenic radioisotopes
. . Cadmium Radioisotopes
. . Carbon radioisotopes
. . Chlorine Radioisotopes
. . Cobalt radioisotopes
. . Gold radioisotopes
. . Iodine radioisotopes
. . Lead radioisotopes
. . Phosphorus radioisotopes
. . Plutonium radioisotopes
. . Potassium radioisotopes
. . Radium radioisotopes
. . Sodium radioisotopes
. . Strontium radioisotopes
. . Thallium radioisotopes
. . Tritium
. . Uranium radioisotopes
. . Zinc radioisotopes
. Stable isotopes

J

Jacks (mechanical)
. Hydraulic jacks

Joints (connections)
. Bolted joints
. Butt joints
. Circumferential joints
. Construction joints
. Contraction joints
. Expansion joints
. Horizontal joints
. Lap joints
. Longitudinal joints
. Pin connected joints
. Pipe joints
. Riveted joints
. Tapered joints
. Transverse joints
. Universal joints
. Vertical joints
. Welded joints

Jurisdiction
. Federal jurisdiction
. State jurisdiction

K

Kinetics
. Pesticide kinetics

L

Land
. Arable land
. Arid lands
. Deserts
. Grasslands
. Grazing land
. Irrigable land
. Irrigated land
. Islands
. . Hawaii
. Public land
. . Federal reservations
. . . Indian reservations
. . . Military reservations
. . . National battlefields
. . . National forests
. . . National historic parks
. . . National historic sites
. . . National lakeshores
. . . National memorials
. . . National monuments
. . . National parks
. . . National recreation areas
. . . National seashores
. . . Withdrawn lands
. Semiarid land

Land forming
. Bench leveling
. Terracing

Land forms
. Alluvial deposits
. Arroyos
. Atolls
. Basins
. . Closed basins
. . Drainage basins
. . Lake basins
. . Sedimentary basins (geological)
. . Spreading basins
. Bayous
. Bays (topographic features)
. Beaches
. . Ocean beaches
. Bogs
. . Peat bog
. Canyons
. Caves
. Cirques
. Coastal plains
. Coasts
. Continental margin
. Continental shelf
. Continental slope
. Deltas
. Dunes
. Estuaries
. Fjords
. Gulfs
. Gullies
. Inlets (waterways)
. Islands
. Lagoons (ponds)
. Lakes
. Lake shores
. Marshes
. . Coastal marshes
. . Freshwater marshes
. . Salt marshes
. . Tidal marshes
. Moraines
. Mountains
. Mud flats
. Oceans
. Playas
. Ponds
. Ravines
. Reefs
. River basins

Land forms (Con.)
. River beds
. Rivers
. Saline lakes
. Sand bars
. Sand spits
. Shores
. . Lake shores
. . Seashores
. Sinkholes
. Streambeds
. Swamps
. Terrace deposits
. Terraces (geological)
. Valleys
. . Stream valley
. Volcanoes

Languages
. Programming languages

Leakage
. Reservoir leakage

Legal aspects
. International law
. Law of the sea
. Natural flow doctrine
. Public rights

Licenses
. Irrigation permits
. Water permits
. Well permits

Life cycles
. Diapause

Limnology
. Paleolimnology

Linings
. Canal linings
. Concrete linings
. Earth linings
. Flexible linings
. Impervious linings
. Pervious linings
. Rigid linings
. Steel linings
. Tunnel linings

Liquefaction
. Soil liquefaction

Loads (forces)
. Axial loads
. . Biaxial loads
. . Triaxial loads
. Cyclic loads
. Dead loads
. Dynamic loads
. Earthquake loads
. Horizontal loads
. Ice loads
. Impact loads
. Live loads
. Pile lateral loads
. Radial loads
. Total loads
. Ultimate loads
. Vertical loads

Logging (recording)
. Electrical logging
. Geophysical logging
. Well logging
. . Electrical well logging
. . Radioactive well logging

Losses
. Diversion losses
. Electric corona losses
. Electric power losses
. Energy losses
. Head losses
. Riparian water loss
. Seepage losses
. Tee losses
. Water loss
. Weight loss

Luminescence
. Bioluminescence
. Fluorescence
. . X-ray fluorescence

M

Machines
. Hydraulic machinery
. . Hydraulic turbines
. . Pumps
. . Pump turbines
. Test machines
. Tunneling machines
. Vibrators (mechanical)

Machine tools
. Augers
. Boring machines
. Drilling equipment
. Grinders
. Lathes
. Milling machines

Magnetic materials
. Ferrites

Magnets
. Electromagnets

Maintenance
. Preventive maintenance
. Repairing

Management
. Construction management
. Cutting management
. Farm management
. Fish management
. Forest management
. Land management
. . Cultivation
. . . Contour farming
. . . Deep tillage
. . Fallowing
. . Strip cropping
. Marsh management
. Pasture management
. Personnel management
. Planting management
. Range management
. Soil management
. Water management (applied)
. . Artificial recharge
. . . Induced infiltration
. . . Pit recharge
. . Flood routing
. . Groundwater management
. . Snow management
. . Watershed management
. . Water spreading
. Water resources management
. Wildlife management

Mapping
. Geologic mapping
. Subsurface mapping
. Topographic mapping

Maps
. Geologic maps
. Soil maps
. Weather maps

Marine borers
. Teredos

Marketing
. Power marketing

Masonry
. Brick masonry
. Clay masonry
. Concrete masonry
. Rubble masonry

Materials
. Building materials
. . Bricks
. . Ceramic materials
. . Coal-tar epoxy paints
. . Composite materials
. . Enamels
. . Fiberboards
. . Foam rubber
. . Glass
. . Glass reinforced plastics
. . Lacquers
. . Laminated glass
. . Laminated plastics
. . Laminated wood
. . Laminates
. . Lumber
. . Marble
. . Mortars
. . . Epoxy mortar
. . Nails
. . Paints
. . Plaster
. . Plastics
. . Reinforced plastics
. . Roofing materials
. . Rubber
. . Stones
. . Synthetic rubber
. . Tiles
. . Timbers
. . Varnishes
. Cast iron
. Concretes
. . Architectural concrete
. . Asbestos Cement
. . Bituminous concretes
. . Cyclopean concrete
. . Dry pack mortar
. . Expansive concrete
. . High strength concretes
. . Lightweight concretes
. . Mass concrete
. . Polymer concretes
. . Precast concrete
. . Prepacked concrete
. . Prestressed concrete
. . Pumped concrete
. . Reinforced concrete
. . Shotcrete
. . Structural concrete
. . Tremie concrete
. . Vacuum concrete
. Construction materials
. . Aggregates
. . . Coarse aggregates
. . . Fine aggregates
. . . Lightweight aggregates
. . . Soil aggregates
. . Asphalts
. . Bedding materials
. . Borrow materials
. . Crushed stone
. . Drain tiles
. . Lime
. . Lumber
. . Mastics
. . Reinforcing materials
. . . High-bond reinforcing bars
. . . Mesh reinforcement
. . . Reinforcing steels
. . Riprap
. . Soil asphalt
. . Soil cement
. Deleterious materials
. Earth materials
. . Acidic soils
. . . Gray-brown podzolic soils
. . . Podzols
. . . Red podzolic soils
. . . Yellow podzolic soils
. . Adobe
. . Aeolian soils
. . . Loess
. . Alkaline soils
. . . Alkali soils
. . . Brown soils
. . . Calcareous soils
. . . Caliche
. . . Chestnut soils
. . . Prairie soils
. . . Sierozems
. . Anaerobic soils
. . Aquatic soils
. . Beach sands
. . Boulders
. . Clays
. . . Bentonite
. . . Expansive clays
. . . Kaolin
. . . Marine clays
. . . Organic clays
. . . Quick clays
. . Cobbles
. . Cohesionless soils
. . Cohesive soils
. . Colluvium
. . . Talus
. . Compacted soils
. . Compressible soils
. . Detrital soils
. . Diatomaceous earth
. . Dune sands
. . Expansive soils
. . Finegrained soils
. . Frozen soils
. . . Permafrost
. . Galcial soils
. . Gravels
. . Gumbo
. . Impervious soils
. . Lacustrine deposits
. . Lake soils
. . Laterites
. . Loams
. . . Clay loam
. . . Silty loams
. . Loose soils
. . Marl
. . Mud
. . Organic silts
. . Organic soils
. . Pea gravel
. . Peat
. . Pervious soils
. . Preconsolidated soils
. . Pumice
. . Quicksand
. . Residual soils
. . Rock flour
. . Sands
. . Saturated soils
. . Silts
. . Soils
. . Subsoil
. . Topsoil
. . Unconsolidated soils
. . Undisturbed soils
. . Unsaturated soils
. . Volcanic ash
. Granular materials
. Iron
. Metals
. Pit run materials
. Porous materials
. Selected materials
. Steel
. . Carbon steels
. . Cast steel
. . Cold-rolled steel
. . High strength steels
. . Low alloy steels
. . Low carbon steel
. . Prestressed steel
. . Stainless steel
. . Structural steel
. Wood
. . Hardwood
. . Laminated wood
. . Plywoods
. . Softwood

Materials handling equipment
. Belt conveyors
. Conveyors
. Cranes (Hoists)
. Hoisting machinery
. Loaders
. Overhead cranes

Mathematical studies
. Calculus
. Correlation analysis
. Differential equations
. Finite difference method
. Finite element method
. Fourier analysis
. Least squares method
. Leontief models
. Markov processes
. Mathematical analysis
. Multiple regression
. Numerical analysis
. Optimization
. Regression analysis

Measurement
. Discharge measurement
. Flow measurement
. Metering
. Strain measurement
. Water measurement
. . California pipe method
. . Chemical dilution method
. . Gibson method
. . Miners inch
. . Salt velocity method

Membranes
. Asphalt membranes

Membranes (Con.)
. Biological membranes
. Buried membranes
. Impervious membranes
. Permselective membranes
. Pervious membranes
. Semipermeable membranes

Metabolism
. Animal metabolism

Metalwork
. Buried metalwork
. Embedded metal

Meteorological instruments
. Anemometers
. Barometers
. Rain gages
. Snow gages

Meteorology
. Atmospheric physics
. . Cloud physics
. Hydrometeorology
. Micrometeorology

Microbiology
. Aquatic microbiology
. Soil microbiology

Microorganisms
. Aquatic fungi
. Aquatic microorganisms
. Bacteria
. . Acid bacteria
. . Actinomycetes
. . Aerobic bacteria
. . Anaerobic bacteria
. . Aquatic bacteria
. . Azotobacter
. . Beggiatoa
. . Clostridium
. . Coliforms
. . E. coli
. . Enteric bacteria
. . Ferrobacillus
. . Iron bacteria
. . Lactobacillus
. . Marine bacteria
. . Methane bacteria
. . Mycobacterium
. . Myxobacteria
. . Nitrogen fixing bacteria
. . Pathogenic bacteria
. . Photosynthetic bacteria
. . Pseudomonas
. . Salmonella
. . Sewage bacteria
. . Shigella
. . Soil bacteria
. . Sphaerotilus
. . Streptococcus
. . Sulfate reducing bacteria
. . Thermophilic bacteria
. . Thiobacillus ferrooxidans
. Bacteriophage
. Dinoflagellates
. Euglena
. Euglenophyta
. Marine fungi
. Marine microorganisms
. Molds
. Nannoplankton
. Ochromonas
. Pathogenic fungi
. Plant viruses
. Protozoa
. Rhodophyta
. Rotifers
. Soil algae
. Soil fungi
. Soil microorganisms
. Verticillium
. Viruses
. Yeasts

Migration
. Diel migration
. Fish migration
. Vertical migration

Minerals
. Anhydrite
. Carbonate minerals
. . Calcite
. . Dolomite
. . Travertine
. Clay minerals
. . Beidellite
. . Bentonite
. . Illite
. . Kaolinite
. . Montmorillonite
. . Vermiculite
. Diamonds
. Feldspars
. Graphite
. Gypsum
. Mica
. Perlite
. Pyrite
. Quartz
. Serpentine
. Talc
. Zeolites

Mines
. Coal mines
. Quarries

Mining
. Drift mining
. Groundwater mining
. Hydraulic mining
. Open pit mining
. Panning
. Placer mining
. Quarrying

Mixtures
. Lime soil mixtures
. Slurries

Models
. Analog models
. . Resistance networks
. Computer models
. Hydraulic models
. . Fixed-bed models
. . Movable bed models
. Hydrologic models
. . Aquifer model
. Mathematical models
. . Statistical models
. . . Stochastic models
. Structural models

Model studies
. Analog models
. Aquifer model
. Computer models
. Fixed-bed models
. Hydraulic models
. Hydrologic models
. Leontief models
. Movable bed models
. Resistance networks
. Statistical models

Modulation
. Amplitude modulation
. Frequency modulation

Moisture
. Adsorbed water
. Capillary water
. Fringe water
. Humidity
. Hygroscopic water
. Precipitable water
. Precipitation (atmospheric)
. Soil moisture
. . Excess water (soils)
. Subsurface moisture
. Water vapor

Moisture content
. Humidity
. Optimum moisture content

Moments
. Bending moments
. Moments of inertia

Morphology
. Fluvial morphology
. Geomorphology
. Glacial geology
. . Glaciation
. . Moraines
. Lake morphology

Motors
. Electric motors
. Induction motors

Motor vehicles
. Automobiles

Movement
. Circulation
. . Air circulation
. . Circulation (animals)
. . Circulation (plants)
. . Convection
. . Ocean circulation
. . Water circulation
. Earth movements
. . Debris avalanches
. . Landslides
. . Rockslides
. Flow
. . Average flow
. . Axial flow
. . Base flow
. . Capillary action
. . Channel flow
. . . Open channel flow
. . Closed conduit flow
. . Converging flow
. . Density flow
. . Design flow
. . Flow around objects
. . Fluid flow
. . . Compressible flow
. . . Critical flow
. . . Incompressible flow
. . . Laminar flow
. . . Low flow
. . . Natural flow
. . . Newtonian flow
. . . Non-Newtonian flow
. . . Orifice flow
. . . Overland flow
. . . Pipe flow
. . . Return flow
. . . River flow
. . . Streamflow
. . . Subcritical flow
. . . Supercritical flow
. . . Transient flow
. . Gradually varied flow
. . Groundwater flow
. . Groundwater movement
. . Non-uniform flow
. . Percolation
. . Porous media flow
. . Potential flow
. . Pulsating flow
. . Regulated flow
. . River currents
. . Rotational flow
. . Saturated flow
. . Sheet flow
. . Soil water movement
. . Steady flow
. . Stratified flow
. . Subsonic flow
. . Subsurface flow
. . Supersonic flow
. . Transition flow
. . Turbidity currents
. . Turbulent flow
. . Two-phase flow
. . Uniform flow
. . Unsaturated flow
. . Unsteady flow
. . Viscous flow
. Sliding
. Slipping

Mulching
. Stubble mulching
. Vertical mulching

N

National defense
. Civil defense

Nets
. Fyke nets
. Gill nets
. Plankton nets
. Triangulation nets

Networks
. Electric networks
. Resistance networks

Nuclear reactions
. Nuclear fission
. Radioactive decay

Nuclei
. Alpha particles

Nutrients
. Algal nutrients
. Cycling nutrients
. Deficient nutrients
. Essential nutrients

O

Obsolescence
. Engineering obsolescence

Operation and maintenance
. Irrigation operation & maintenance
. Power operation & maintenance

Operations
. Power system operations
. Reservoir operation

Operations research
. Critical path method
. Dynamic programming
. Game theory
. Linear programming
. PERT
. Queueing theory

Optical measurement
. Colorimetry
. Flame photometry
. Photometry
. . Spectrophotometry

Organic matter
. Coal
. Decomposing organic matter
. Humus
. Lignite
. Peat

Organizations
. Administrative agencies
. Cooperatives
. Federal agencies
. Institutions
. Labor unions
. Professional societies
. . Scientific societies
. . Technical societies
. Trade associations

Organoleptic properties
. Odor
. Taste

Orifices
. Submerged orifices

Outlets
. Multilevel outlets

Oxygen demand
. Biochemical oxygen demand
. Chemical oxygen demand

P

Parasites
. Animal parasites
. Bacteria
. Fish parasites
. Fungi
. . Aquatic fungi
. . Marine fungi
. . Molds
. . Pathogenic fungi
. . Soil fungi
. . Verticillium

Parasites (Con.)
. . Yeasts
. Trematodes

Parks
. National historic parks
. National parks

Pathology
. Animal pathology
. Epiphytology
. Human pathology
. Parasitism
. Plant pathology

Pavements
. Flexible pavements
. Rigid pavements
. . Concrete pavements

Payment
. Cost repayment

Pedalfers
. Laterites
. Podzols
. . Gray-brown podzolic soils
. . Red podzolic soils
. . Yellow podzolic soils
. Prairie soils

Penetration
. Light penetration

Periodic variations
. Diurnal variations
. Seasonal variations
. Tides
. Waves
. . Electromagnetic waves
. . . Ambient light
. . . Gamma rays
. . . Infrared radiation
. . . Light
. . . Microwaves
. . . Radio waves
. . . Ultraviolet radiation
. . . X-rays
. . Flood waves
. . Light waves
. . Mechanical waves
. . . Bores (wave)
. . . Cavitation noise
. . . Elastic waves
. . . Longitudinal waves
. . . Microseisms
. . . Noise (sound)
. . . Ocean waves
. . . Rock noise
. . . Roll waves
. . . Sound waves
. . . Waves (water)
. . Seismic waves
. . Shear waves
. . Shock waves
. . Solitary waves
. . Standing waves
. . Stress waves
. . Surge waves
. . Translatory waves
. . Transverse waves
. . Tsunamis

Permits
. Irrigation permits
. Water permits
. Well permits

Personnel
. Executives
. Government employees
. Maintenance personnel
. Professional personnel
. . Architects
. . Consulting engineers
. . Designers
. . Engineering personnel
. . Scientific personnel
. Technologists

Photographic equipment
. Borehole cameras
. Cameras
. Drill hole TV cameras

Photographs
. Motion pictures

Photography
. Aerial photography
. Color photography
. High speed photography
. Infrared photography
. Microphotography
. . Microfilm

Piers
. Baffle piers
. Bell piers
. Bridge piers
. Spillway piers

Pigments
. Chlorophyll
. Plant pigments

Pile driving
. Sonic pile driving
. Vibratory pile driving

Piles (foundations)
. Batter piles
. Bearing piles
. Bored piles
. Cast-in-place piles
. Concrete piles
. Friction piles
. Sheet piling
. Steel piles
. Test piles
. Wooden piles

Pits
. Gravel pits
. Sand pits
. Test pits

Placing
. Concrete placing

Planning
. City planning
. Future planning (projected)
. Long-term planning
. Management planning
. Production planning
. Project planning
. Short-term planning

Plants (botany)
. Acid bacteria
. Actinomycetes
. Aerobic bacteria
. Algae
. . Aquatic algae
. . Chara
. . Chlamydomonas
. . Chlorella
. . Chlorophyta
. . Chrysophyta
. . Cyanophyta
. . Diatoms
. . Dinoflagellates
. . Euglena
. . Euglenophyta
. . Marine algae
. . Nuisance algae
. . Ochromonas
. . Odor-producing algae
. . Phaeophyta
. . Pyrrophyta
. . Rhodophyta
. . Scenedesmus
. . Sessile algae
. . Soil algae
. . Taste-producing algae
. Amphibious plants
. Anaerobic bacteria
. Aquatic bacteria
. Aquatic fungi
. Aquatic plants
. Azotobacter
. Bacteria
. Beggiatoa
. Benthic flora
. Brush
. . Chaparral
. . Mesquite
. . Rabbitbush
. . Sagebrush
. . Seepwillow
. . Tamarisk
. Bulrush
. Cacti
. Cattails
. Clostridium
. Clubmoss
. Coliforms
. Conifers
. Crops
. . Agronomic crops
. . . Cotton
. . . Hay
. . . Oilseed crops
. . . Sugarcane
. . . Sugar crops
. . . Tobacco
. . Catch crops
. . Cereal crops
. . Cover crops
. . Fiber crops
. . Field crops
. . Food and cover crops
. . Horticultural crops
. . Industrial crops
. . Nuts
. . Specialty crops
. . Standing crop
. Desert plants
. Dicots
. E. coli
. Enteric bacteria
. Ferns
. Ferrobacillus
. Floating plants
. Forages
. . Forage mixtures
. Fruit crops
. . Apples
. . Blueberries
. . Citrus fruits
. . Cranberries
. . Dates
. . Grapefruit
. . Lemons
. . Limes
. . Macadamia
. . Melons
. . Oranges
. . Peaches
. . Peanuts
. . Pecans
. . Pome fruits
. . Soybeans
. . Stone fruits
. . Strawberries
. . Sugar beets
. . Tropical fruits
. . Vine crops
. Fungi
. Grasses
. . Bahiagrass
. . Barley
. . Bermudagrass
. . Bluegrasses
. . Bromegrass
. . Cereal crops
. . Coastal bermudagrass
. . Corn (field)
. . Dallisgrass
. . Ditch grass
. . Fescues
. . Forage grasses
. . Grama grasses
. . Johnsongrass
. . Kentucky bluegrass
. . Merion bluegrass
. . Oats
. . Orchardgrass
. . Perennial ryegrass
. . Popcorn
. . Range grasses
. . Reeds
. . Rice
. . Sorghum
. . Sundangrass
. . Switchgrass
. . Turf grasses
. . Wheat
. . Wheatgrasses
. . Widgeon grass
. . Wild rice
. Gymnosperms
. Halophytes
. Lactobacillus
. Legumes
. . Alfalfa
. . Alsike clover
. . Clovers
. . Crimson clover
. . Forage legumes
. . Ladino clover
. . Lespedeza
. . Red clover
. . Vetch
. . White clover
. Lichens
. Marine bacteria
. Marine fungi
. Marine plants
. Marsh plants
. Methane bacteria
. Molds
. Monocots
. Mosses
. Mycobacterium
. Myxobacteria
. Nannoplankton
. Orchards
. Ornamentals
. . Lilac
. . Snapdragons
. Pathogenic bacteria
. Pathogenic fungi
. Photosynthetic bacteria
. Phreatophytes
. Phytoplankton
. Poisonous plants
. Pseudomonas
. Rooted aquatic plants
. Salmonella
. Sewage bacteria
. Shigella
. Shrubs
. Soil bacteria
. Soil fungi
. Sphaerotilus
. Streptococcus
. Submerged plants
. Thermophilic bacteria
. Thiobacillus ferrooxidans
. Trees
. . Ash trees
. . Balsam fir trees
. . Birch trees
. . Black locust trees
. . Bristlecone pine trees
. . Coniferous trees
. . Cottonwoods
. . Deciduous trees
. . Douglas fir trees
. . Fir trees
. . Grand fir trees
. . Hemlock trees
. . Hickory trees
. . Jack pine trees
. . Juniper trees
. . Loblolly pine trees
. . Lodgepole pine trees
. . Maple trees
. . Noble fir trees
. . Oak trees
. . Pacific silver fir trees
. . Pine trees
. . Pinyon pine trees
. . Ponderosa pine trees
. . Red fir trees
. . Red pine trees
. . Scotch pine trees
. . Sycamore trees
. . White-cedar trees
. . White fir trees
. . White pine trees
. . Willow trees
. . Yellow pine trees
. Vegetable crops
. . Asparagus
. . Beans
. . Carrots
. . Lettuce
. . Onions
. . Potatoes
. . Sweet corn
. . Sweet potatoes
. . Tomatoes
. Verticillium
. Water hyacinth
. Weeds
. . Alligatorweed
. . Aquatic weeds
. . Floating weeds
. . Halogeton
. . Pondweeds
. . Sago pondweed
. . Stinging nettles
. . Submersed weeds
. Xerophytes
. Yeasts

Plant tissues
. Bark
. Fibers (plant)
. Phloem
. Tracheids
. Vascular tissues

Plates
. Baffle plates
. Flat plates
. Gusset plates
. Liner plates
. Steel plates
. Thin plates

Plugs
. Tunnel plugs

Policies
. Foreign policies
. Public land policy
. Water allocation (policy)
. Water policy

Population
. Animal populations
. Aquatic populations
. . Fish populations
. Human population
. Plant populations

Power
. Electric power
. . Hydroelectric power
. . Peak power
. . Standby power
. Thermal power

Precipitation intensity
. Rainfall intensity

Predation
. Prey fish

Pressure
. Atmospheric pressure
. Back pressure
. Bearing pressure
. Bubbling pressure
. Capillary pressure
. Confining pressure
. Earth pressure
. . Active pressure
. . At rest pressure
. . Passive pressure
. Grouting pressure
. High pressure
. Hydraulic pressure
. Hydrodynamic pressure
. Hydrostatic pressure
. Ice pressure
. Intrinsic pressure
. Low pressure
. Negative pressure
. Osmotic pressure
. Overpressure
. Pitot pressures
. Pore pressure
. . Negative pore pressure
. . Pore air pressure
. . Pore water pressure
. Power head
. Pressure head
. Rankine pressure
. Rock pressures
. Soil pressure
. Swelling pressure
. Tunnel pressures
. Uplift pressure
. Vapor pressure
. Velocity head
. Water pressure
. Wind pressure

Prestressing
. Posttensioning
. Pretensioning

Prices
. Adjusted prices
. Average prices
. Competitive prices
. Equilibrium prices
. Farm prices
. Parity prices

Pricing
. Discriminatory pricing

Probes (instruments)
. Gamma probes
. Nuclear probes

Processing
. Batch processing (data)
. Data processing
. . Data reduction
. . Data retrieval
. . Data storage

Procurement
. Purchasing

Production
. Industrial production

Productivity
. Aquatic productivity
. Comparative productivity
. Marginal productivity
. Primary productivity
. Secondary productivity

Profiles
. Curved profiles
. Flow profiles
. Soil profiles
. Streambed profiles
. Water surface profiles
. . Backwater profiles
. . Drawdown curves
. Wind profiles

Profit
. Gross profit
. Net profit

Programs
. Drainage programs

Projects
. Foreign projects
. Multiple purpose projects

Propagation
. Wave propagation

Properties
. Biological properties
. . Bioluminescence
. . Cold resistance
. . Heat resistance (biological)
. Chemical properties
. . Acidity
. . Alkali aggregate reactions
. . Alkalinity
. . Ammonification
. . Cement-aggregate reaction
. . Chelation
. . Chemical potential
. . Chemical stability
. . Chlorination
. . Combustion
. . Decomposition
. . . Anaerobic digestion
. . . Biodegradation
. . . Chemical degradation
. . . Degradation (decomposition)
. . . Sludge digestion
. . . Thermal decomposition
. . Denitrification
. . Diffusion
. . . Ion diffusion
. . . Jet diffusion
. . Hardness (water)
. . Hydrogenation
. . Hydrolysis
. . Molecular weight
. . Osmosis
. . . Electroosmosis
. . . Reverse osmosis
. . Oxidation
. . Oxidation-reduction potential
. . pH
. . Photosynthesis
. . Polymerization
. . Salinity
. . Solubility
. . Solvation
. . Water quality
. Concrete properties
. Electrical properties
. . Capacitance
. . Dielectric properties
. . Electrical conductance
. . Electrical impedance
. . Electrical resistance
. . Electrical resistivity
. . Electrokinetic potential
. . Inductance
. . Piezoelectricity
. . Resistivity
. . . Earth resistivity (electrical)
. . . Soil resistivity
. . Superconductivity
. Hydraulic properties
. Hydrologic properties
. . Capillary conductivity
. . Diffusivity
. . Hydraulic conductivity
. . Permeability
. . Specific retention
. . Specific yield
. . Transmissivity
. Magnetic properties
. . Ferromagnetism
. . Magnetic induction
. . Magnetostriction
. . Terrestrial magnetism
. Mechanical properties
. . Abrasion resistance
. . Bonding strength
. . Brittleness
. . Cavitation resistance
. . Cohesion
. . Compressibility
. . Corrosion resistance
. . Creep
. . Deformation
. . . Elastic deformation
. . . Plastic deformation
. . Deformation modulus
. . Ductility
. . Durability
. . Elasticity (mechanical)
. . Elastic limit
. . Elongation
. . Expansion
. . . Dilatation
. . . Dilation
. . . Linear expansion
. . . Thermal expansion
. . Fatigue (materials)
. . Flexibility
. . Freeze-thaw durability
. . Friction
. . . External friction
. . . Fluid friction
. . . Internal friction
. . . Negative friction
. . . Pile friction
. . . Positive friction
. . . Skin friction
. . . Solid friction
. . . Wall friction
. . Friction coefficient (mechanical)
. . Hardness
. . Modulus of elasticity
. . Notch effect
. . Photoelasticity
. . Plastic failure
. . Plasticity
. . . Soil plasticity
. . Poisson ratio
. . Rebound
. . Residual stress
. . Resilience
. . Rigidity
. . Rupture modulus
. . Shear modulus
. . Shear resistance
. . Stiffness
. . Strength
. . . Bearing strength
. . . Cohesive strength
. . . Compressive strength
. . . Design strength
. . . Flexural strength
. . . Shear strength
. . . Soil strength
. . . Splitting tensile strength
. . . Tensile strength
. . . Ultimate tensile strength
. . . Yield strength
. . Tensile properties
. . Toughness
. . Viscoelasticity
. . Viscosity
. . Wear resistance
. . Workability
. Optical properties
. . Isotropy
. . Opacity
. . Reflectivity
. Physical properties
. . Anisotropy
. . Buoyancy
. . Color
. . Conductivity
. . Density
. . . Bulk density
. . . Critical density
. . . Dry density
. . . Field density
. . . In place density
. . . Relative density
. . . Rock density
. . . Soil density
. . Dimensions
. . . Altitude
. . . Depth
. . . Height
. . . Length
. . . Thickness
. . . Thinness
. . . Time
. . . Width
. . Gradation
. . Heat transfer
. . Immiscibility
. . Porosity
. . Refractivity
. . Relative consistency
. . Resonance
. . Roughness (hydraulic)
. . Sensitivity
. . Size
. . . Grain sizes
. . . Particle size
. . . Pore size
. . Smoothness
. . Specific gravity
. . Specific heat
. . Specific surface
. . Specific weight
. . Strength
. . Texture
. . Turbidity
. . Vapor pressure
. . Viscosity
. . Void ratio
. . Volatility
. . Weight
. . . Dry weight
. . . Molecular weight
. . . Unit weight
. . . Wet weight
. Physicochemical properties
. Rock properties
. Seismic properties
. Soil chemical properties
. Soil physical properties
. . Air void ratio
. . Soil density
. . Soil strength
. . Soil temperature
. Soil properties
. . Atterberg limits
. . . Liquid limit
. . . Plasticity index
. . . Plastic limits
. . Soil resistivity
. . Soil stability
. . Soil structure
. . Soil texture
. . Void ratio
. Surface properties
. . Adhesion
. . Emissivity
. . Reflectivity
. . Surface tension
. . Wettability
. Thermal properties
. . Heat of hydration
. . Heat resistance (materials)
. . Latent heat
. . Specific heat
. . Thermal capacity
. . Thermal conductivity
. . Thermal diffusion
. . Vapor pressure
. . Volatility
. Water properties

Protection (electrical)
. Circuit protection
. Protective relaying

Pumping
. Deep-well pumping

R

Radar
. Meteorological radar

Radioactivity techniques
. Radioactive dating
. Radiochemical analysis

Radiography
. Radiographic inspection
. X ray inspection

Radio signals
. VHF

Rainfall
. Cloudbursts
. Simulated rainfall

Rates
. Electric power rates
. Feeding rates
. Flow rates
. Growth rates
. Loading rate
. Rainfall intensity
. Rates of application
. Sedimentation rates
. Strain rate
. Use rates
. Water rates

Recharge
. Artificial recharge
. Groundwater recharge
. Induced infiltration
. Natural recharge
. Pit recharge

Reclamation
. Land reclamation
. Soil reclamation
. Waste water use
. Water reuse

Records
. Logs
. Streamflow records

Recreation
. Camping
. Cruises
. Water sports
. . Boating
. . Sport fishing
. . Surf boarding
. . Surf casting
. . Swimming
. . Water skiing
. Winter sports
. . Ice fishing
. . Ice skating
. . Skiing

Reduction
. Data reduction

Refraction
. Refraction (water waves)
. Seismic refraction

Regions
. Arid lands
. Climatic zones
. Coastal plains
. Cold regions
. Corn belt
. . Illinois
. . Indiana
. . Iowa
. . Minnesota
. . Missouri
. . Nebraska
. . Ohio
. . South Dakota
. . Wisconsin
. Drainage districts
. Flood plains
. Geographical regions
. . Alabama
. . Alaska
. . Arizona
. . Arkansas
. . California
. . Colorado
. . Connecticut
. . Delaware
. . Florida
. . Georgia
. . Hawaii
. . Idaho
. . Illinois
. . Indiana
. . Iowa
. . Kansas
. . Kentucky
. . Louisiana
. . Maine
. . Maryland
. . Massachusetts
. . Michigan
. . Minnesota
. . Mississippi
. . Missouri
. . Montana
. . Nebraska
. . Nevada
. . New Hampshire
. . New Jersey
. . New Mexico
. . New York
. . North Carolina
. . North Dakota
. . Ohio
. . Oklahoma
. . Oregon
. . Pennsylvania
. . Rhode Island
. . South Carolina
. . South Dakota
. . Tennessee
. . Texas
. . United States
. . Utah
. . Vermont
. . Virginia
. . Washington
. . West Virginia
. . Wisconsin
. . Wyoming
. Grasslands
. Humid areas
. Intertidal areas
. Polar regions
. Public utility districts
. River basins
. Rural areas
. Tropical regions
. Tundra
. Watersheds (basins)
. . Agricultural watersheds
. . Demonstration watersheds
. . Large watersheds
. . Small watersheds

Regulation
. Flow augmentation
. . Low-flow augmentation
. River regulation
. River training
. Voltage regulation

Regulations
. Boating regulations
. Well regulations
. Zoning
. . Flood plain zoning
. . Water zoning

Reinforcement
. Mesh reinforcement

Rejection
. Load rejection

Relaxation (mechanics)
. Stress relaxation
. Structural relaxation

Relocation
. Highway relocation
. Railroad relocation

Removal
. Snow removal

Repellents
. Fish repellents
. Insect repellents
. Mammalian repellents

Reproduction (biology)
. Fish reproduction

Requirements
. Water requirements

Reregulation
. Flow augmentation
. Low-flow augmentation
. River regulation

Research and development
. Applied research
. Atmospheric research
. Basic research
. Foreign research
. High temperature research
. Resource development
. . Land development
. . Water resources development

Reservoir stages
. Early impoundment
. Late impoundment
. Post impoundment
. Pre impoundment

Resins
. Synthetic resins
. . Alkyd resins
. . Epoxy resins
. . Nylon
. . Phenolic resins
. . Polyester resins
. . Polyethylene
. . Polystyrene
. . Polysulfide resins
. . Polyurethane resins
. . Polyvinyl alcohol
. . Polyvinyl chloride
. . Styrene resins
. . Thermoplastic resins
. . Thermosetting resins
. . Vinyl resins

Resistance
. Cold resistance
. Disease resistance
. Drought resistance
. Electrical resistance
. Flow resistance
. Insect resistance
. Penetration resistance
. Pressure drag
. Shear drag
. Shear resistance
. Sliding resistance
. Tolerances (plant)
. Uplift resistance

Resistors
. Shunt resistors
. Thermistors
. Variable resistors

Resonators
. Tuning forks

Resources
. Human resources
. Natural resources
. . Atmosphere
. . Hydroelectric resources
. . Land resources
. . Petroleum
. . Water resources

Retardants
. Evaporation retardants

Return (monetary)
. Marginal return
. Return to scale

Revegetation
. Reforestation

Rings
. Seal rings
. Slip rings
. Stay rings

Roads
. Access roads
. Access routes
. Highways
. . Scenic highways
. Streets

Rocks
. Bedrock
. Beds (geology)
. Boulders
. Breccia
. Calcareous rocks
. Crystalline rocks
. Foundation rocks
. Igneous rocks
. . Acidic rocks
. . Andesite
. . Basalt
. . Basic rocks
. . Diabase
. . Diorite
. . Gabbro
. . Granite
. . Intermediate rocks
. . Lava
. . Pegmatites
. . Perlite
. . Plutonic rocks
. . Pumice
. . Rhyolite
. . Syenite
. . Tuff
. . Ultrabasic rocks
. . Volcanic rocks
. In situ rock
. Metamorphic rocks
. . Gneiss
. . Marble
. . Quartzite
. . Schist
. . Slate
. Sedimentary rocks
. . Calcite
. . Caliche
. . Chalk
. . Chert
. . Clay shales
. . Claystones
. . Coal
. . Conglomerate rocks
. . Diatomite
. . Dolomite
. . Lignite
. . Limestone
. . Marl
. . Mudstone
. . Oil shale
. . Sandstone
. . Sedimentary tuff
. . Shale
. . Siltstone
. Soluble rocks

Rods
. Tie rods

Rotating machines
. Electric generators
. . Dynamometers
. . Magnetos
. . Motor generators
. . Turbogenerators
. Electric motors
. Pumps
. Synchronous machines
. Turbines
. . Axial flow turbines
. . Bulb turbines
. . Deriaz pump turbine
. . Francis turbines
. . Hydraulic turbines
. . Impulse turbines
. . Kaplan turbines
. . Pelton turbines
. . Pump turbines
. . Reaction turbines
. . Reversible turbines
. . Steam turbines
. . Tube turbines

Rotors
. Impellers
. Turbine wheels

Roughness
. Bed roughness
. Roughness (hydraulic)

Runoff
. Overland flow
. Peak runoff
. Storm runoff
. Subsurface runoff
. Surface runoff

S

Safety
. Fire safety

Safety (Con.)
. Nuclear safety

Saline water intrusion
. Encroachment
. Sea water intrusion

Salvage
. Water salvage

Samplers
. Sediment samplers
. Soil samplers
. . Denison samplers
. . Drive samplers
. . Piston samplers

Samples
. Disturbed samples
. Remolded soil samples
. Undisturbed samples

Sampling
. Sediment sampling
. Water sampling

Satellites (artificial)
. Meteorological satellites

Schools (education)
. Universities

Sciences
. Biology
. Biophysics
. Chemistry
. . Electrochemistry
. . Geochemistry
. . Physical chemistry
. . Radiochemistry
. . Water chemistry
. Engineering
. . Agricultural engineering
. . Chemical engineering
. . Civil engineering
. . Coastal engineering
. . Drainage engineering
. . Earthquake engineering
. . Electrical engineering
. . Environmental engineering
. . Highway engineering
. . Hydraulic engineering
. . Industrial engineering
. . Irrigation engineering
. . Management engineering
. . Marine engineering
. . Materials engineering
. . Mechanical engineering
. . Mining engineering
. . Nuclear engineering
. . Sanitary engineering
. . Soil engineering
. . Space engineering
. . Structural engineering
. . Value engineering
. Geology
. . Engineering geology
. . Geomorphology
. . Glacial geology
. . Groundwater geology
. . Hydrogeology
. . Marine geology
. . Mineralogy
. . Petrography
. . Petrology
. . Photogeology
. . Sedimentology
. . Structural geology
. Mathematics
. . Algebra
. . . Linear algebra
. . . Linear systems
. . . Matrix algebra
. . Geometry
. . Mathematical analysis
. . . Calculus
. . . Correlation analysis
. . . Differential equations
. . . Finite differences
. . . Fourier analysis
. . . Frequency analysis
. . . Integration (mathematics)
. . . Regression analysis
. . . Statistical analysis
. . Probability
. . Series (mathematics)
. . Statistics
. . Trigonometry
. . Vector analysis
. Medicine
. Physics
. . Acoustics
. . Atmospheric physics
. . Crystallography
. . Dynamics
. . . Aerodynamics
. . . Fluid dynamics
. . . Hydrodynamic pressure
. . . Hydrodynamics
. . . Soil dynamics
. . Electricity
. . Geophysics
. . Mechanics
. . . Fluid mechanics
. . . Hydraulics
. . . Hydrostatics
. . . Soil mechanics
. . . Statics
. . Nuclear physics
. . Optics
. . Plasma physics
. . Quantum mechanics
. . Soil physics
. . Solid state physics
. Psychology
. . Applied psychology
. Social sciences
. . Economics
. . . Agricultural economics
. . Geography
. . . Biogeography
. . History
. . Political science
. . Sociology
. . . Rural sociology
. . . Urban sociology
. Soil science
. Zoology

Screens
. Fish screens
. Well screens

Sealants
. Canal sealants
. Chemical sealants
. Sealing compounds
. Soil sealants
. Water-borne sealants

Seals (stoppers)
. Gaskets
. Gate seals
. O-ring seals
. Water seals

Seasons
. Autumn
. Spring
. Summer
. Winter

Sedimentary structures
. Sand waves

Sedimentation
. Aggradation
. Diagenesis

Sediments
. Alluvium
. Bottom sediments
. Lacustrine deposits
. Sediment deposits
. . Alluvial deposits
. . . Moraines
. . . Sand bars
. . . Terrace deposits
. . Glacial soils
. . Mud flats
. Sediment load
. . Bed load
. . Suspended load
. Suspended sediments
. Suspended solids

Sediment transport
. Saltation

Seepage
. Canal seepage
. Underseepage

Semiconductors
. Thyristors
. Transistors

Separation
. Centrifugation
. Deaeration
. Desorption
. Extraction
. Flotation
. . Boule flotation
. . Froth flotation
. Freeze drying
. Heavy media separation
. Ion exchange
. . Anion exchange
. . Cation exchange
. Osmosis
. . Electroosmosis
. . Reverse osmosis
. Precipitation (chemistry)
. Screening
. Skimming
. Solvent extractions

Separation techniques
. Beneficiation
. . Heavy media separation
. Centrifugation
. Chromatography
. Concentration
. Demineralization
. . Desalination
. . . Nuclear desalting
. Desilting
. Diagenesis
. Distillation
. . Flash distillation
. . . Multistage flash distillation
. . Long-tube vertical distillation
. . Solar distillation
. . Vapor compression distillation
. Electrophoresis
. Filtration
. Foam fractionation
. Foam separation
. Leaching
. Membrane processes
. . Dialysis
. . . Electrodialysis
. . Electroosmosis
. . Osmosis
. . Reverse osmosis
. . Transport depletion
. Panning
. Silting
. . Reservoir silting
. Solvent extractions

Seston
. Aquatic bacteria
. Aquatic fungi
. Aquatic microorganisms
. Beggiatoa
. Dinoflagellates
. Euglena
. Euglenophyta
. Ferrobacillus
. Marine Bacteria
. Marine fungi
. Marine microorganisms
. Nannoplankton
. Nekton
. Ochromonas
. Rhodophyta
. Rotifers
. Sea nettles
. Sphaerotilus
. Thermophilic bacteria
. Tripton

Settlement (structural)
. Differential settlement

Sewage works
. Sewage treatment plants

Shafts (machinery)
. Flexible shafts
. Turbine shafts

Shape
. Grain shapes
. Particle shape

Shear
. Axial shear
. . Biaxial shear
. . Triaxial shear
. Boundary shear
. Direct shear

Shielding
. Electromagnetic shielding
. Radiation shielding

Ships
. Submarines

Shrinkage
. Soil shrinkage

Similitude
. Hydraulic similitude

Sites
. Damsites
. Overwintering sites
. Reservoir sites

Slopes
. Continental slope
. Critical slopes
. Cut slopes

Sludge
. Activated sludge
. Sewage sludge

Social aspects
. Rural sociology
. Social adjustment
. Social impact
. Urban sociology

Soil groups
. Brown soils
. Chernozems
. Chestnut soils
. Gray-brown podzolic soils
. Laterites
. Podzols
. Prairie soils
. Red podzolic soils
. Sierozems
. Yellow podzolic soils

Soil horizons
. A horizon
. B horizon
. C horizon

Soil types
. Acidic soils
. Aeolian soils
. Alkaline soils
. Alkali soils
. Aquatic soils
. Azonal
. Beach sands
. Calcareous soils
. Clays
. Cohesionless soils
. Cohesive soils
. Compacted soils
. Compressible soils
. Expansive clays
. Expansive soils
. Finegrained soils
. Fine-textured soils
. Forest soils
. Frozen soils
. Glacial soils
. Gravels
. Gray-brown podzolic soils
. Hardpan
. Hydrosols (soils)
. Impervious soils
. Lake soils
. Laterites
. Loams
. Organic clays
. Organic silts
. Organic soils
. Paleosols
. Pedocals
. . Brown soils
. . Chestnut soils
. . Sierozems
. Pervious soils
. Podzols
. Prairie soils
. Red podzolic soils
. Residual soils
. Saline soils
. Sands
. Saturated soils
. Silts
. Topsoil
. Yellow podzolic soils

Solutes
. Dissolved gases
. . Dissolved oxygen

Solutions
. Aqueous solutions

Solvents
. Aromatic solvents

Spectrometry
. Spectrophotometry

Stability
. Bank stability
. Chemical stability
. Dam stability
. Dynamic stability
. Electrical stability
. Materials stability
. Seismic stability
. Slope stability
. . Rock slope stability
. Soil stability
. Structural stability
. Transient stability

Stabilization
. Bank stabilization
. Slope stabilization
. Soil stabilization
. Stream stabilization

Standards
. Codes
. . Building codes
. Design standards
. Water quality standards

States (geographical)
. Alabama
. Alaska
. Arizona
. Arkansas
. California
. Colorado
. Connecticut
. Delaware
. Florida
. Georgia
. Hawaii
. Idaho
. Illinois
. Indiana
. Iowa
. Kansas
. Kentucky
. Louisiana
. Maine
. Maryland
. Massachusetts
. Michigan
. Minnesota
. Mississippi
. Missouri
. Montana
. Nebraska
. Nevada
. New Hampshire
. New Jersey
. New Mexico
. New York
. North Carolina
. North Dakota
. Ohio
. Oklahoma
. Oregon
. Pennsylvania
. Rhode Island
. South Carolina
. South Dakota
. Tennessee
. Texas
. Utah
. Vermont
. Virginia
. Washington
. West Virginia
. Wisconsin
. Wyoming

Stations
. Gaging stations
. Hydrometeorological station
. Stream gaging station
. Weather stations

Sterilants
. Fish sterilants
. Soil sterilants

Stochastic processes
. Markov processes

Stocking
. Fish stocking

Storage
. Data storage
. Underground storage
. Usable storage
. Waste storage
. Water storage
. . Bank storage
. . Dead storage
. . Depression storage
. . Pumped storage
. . Reservoir storage
. . Soil water storage
. . Underground water storage

Storms
. Artificial storms
. Blizzards
. Cloudbursts
. Design storm
. Dust storms
. Extratropical cyclones
. Hurricanes
. Snowstorms
. Thunderstorms
. Tornadoes
. Tropical cyclones
. Typhoons

Strain
. Axial strain
. Normal strain
. Shear strain
. Tangential strain

Stratification
. Chemical stratification
. Density stratification
. Thermal stratification

Stress
. Allowable stress
. Axial stress
. . Biaxial stress
. . Triaxial stress
. Bending stress
. Circumferential stress
. Compressive stress
. Effective stress
. Moisture stress
. Neutral stress
. Normal stress
. Radial stress
. Residual stress
. Shear stress
. Tangential stress
. Tensile stress
. Thermal stress
. Total stress
. Transient stress
. Twisting stress

Structural members
. Beams (structural)
. . Box beams
. . Composite beams
. . Continuous beams
. . Deep beams
. . Hybrid beams
. . Web beams
. Columns
. Corbels
. Girders
. . Plate girders
. Struts
. Studs

Structure
. Molecular structure
. Soil structure
. Storm structure
. Water structure

Structures
. Bridges (structures)
. . Arch bridges
. . Bailey bridges
. . Bascule bridges
. . Highway bridges
. . Railroad bridges
. . Suspension bridges
. . Truss bridges
. . Wooden bridges
. Buildings
. . Biotrons
. . Garages
. . Residences
. Buried structures
. Canals
. . Irrigation canals
. . . Laterals
. . . Sublaterals
. . Lined canals
. . . Concrete-lined canals
. . . Earth-lined canals
. . Test canals
. . Unlined canals
. Cellular structures
. Composite structures
. Concrete structures
. . Concrete tanks
. Continuous structures
. . Continuous beams
. . Continuous frames
. . Continuous trusses
. Conveyance structures
. . Aqueducts
. . Chutes
. . Closed conduits
. . Conduits
. . . Culverts
. . . Hydraulic conduits
. . . Noncircular conduits
. . . Pipelines
. . . Pipes
. . . Pressure conduits
. . . Rectangular conduits
. . . Sewers
. . . Siphons
. . . Submarine pipelines
. . Flumes
. . . Parshall flumes
. . . Trapezoidal flumes
. . . Venturi flumes
. . Penstocks
. . Sluices
. . Tunnels
. . . Adits
. . . Diversion tunnels
. . . Pressure tunnels
. . . Railroad tunnels
. . . Unlined tunnels
. . . Vehicular tunnels
. . . Water tunnels (conveyance)
. . . Water tunnels (testing)
. Dams
. . Arch dams
. . Buttress dams
. . Check dams
. . Cofferdams
. . Concrete dams
. . Diversion dams
. . Double-curvature arch dams
. . Earth dams
. . Forebay dams
. . Gravity dams
. . Hydraulic fill dams
. . Masonry dams
. . Mill dams
. . Movable dams
. . Multiple arch dams
. . Navigation dams
. . Retention dams
. . Rockfill dams
. . Self-spillway dams
. . Thin arch dams
. Earthquake-resistant structures
. Engineering structures
. . Bulkheads
. . . Anchored bulkheads
. . Caissons
. . Coastal structures
. . . Jetties
. . Cooling towers
. . Crib walls
. . Debris barriers
. . Levees
. . Offshore platforms
. . Powerhouses
. . Retaining walls
. . Sea walls
. . Steel structures
. . Trestles
. . . Wooden trestles
. . Underground powerplants
. . Warehouses
. Fixed structures
. Hinged structures
. Hydraulic structures
. . Approach channels
. . Blowoff structures
. . Breakwaters
. . Check structures
. . Control structures
. . Diversion structures
. . Drops (structures)
. . Entrance channels
. . Fishways
. . Flip buckets
. . Headworks
. . Intake structures
. . Intake towers
. . Locks (waterways)
. . Multilevel outlets
. . Outlet works
. . Overfalls
. . Plunge basins
. . Pump intakes
. . Settling basins
. . Sloping intake structures
. . Spillways
. . . Chute spillways
. . . Closed conduit spillways
. . . Morning glory spillway
. . . Ogee crests
. . . Shaft spillways
. . . Side channel spillways
. . . Ski-jump spillways
. . Stilling basins
. . Wasteways
. Large structures
. Multiple purpose structures
. Pumping plants
. Shell structures
. . Cylindrical shells
. . Domes (structural)
. . Thin shell structures
. Skewed structures
. Small structures
. Towers
. . Aluminum towers
. . Anchored towers
. . Guyed towers
. . Transmission towers
. Underground structures
. Wooden structures

Subject indexing
. Coordinate indexing

Subsidence
. Deep subsidence
. Embankment subsidence
. Land subsidence
. Shallow subsidence

Suction
. Soil suction

Supply
. Capital supply
. Labor supply
. Water supply

Supports
. Roof supports
. Tunnel supports

Surfaces
. Failure surfaces
. Flat surfaces
. Free surfaces
. Soil surfaces

Surfacing
. Hard surfacing

Surfactants
. Linear alkylate sulfonates

Surges
. Surge waves
. Switching surges

Surveying
. Plane surveying
. . Cadastral surveys
. . Topographic surveys

Surveys
. Aerial surveys
. Cadastral surveys
. First order surveys
. Geodetic surveys
. Geological surveys
. Hydrographic surveys
. Magnetic surveys
. Reconnaissance surveys
. Reservoir surveys
. Resistivity surveys
. Second order surveys
. Snow surveys
. Soil surveys
. Topographic surveys

Systematics
. Fish taxonomy

T

Tapes
. Magnetic tapes
. Punched tapes

Taxes
. Progressive taxes
. Regressive taxes

Technical writing
. Report writing

Television
. Underwater television

Temperature
. Air temperature
. High temperature
. Low temperature
. Soil temperature
. Water temperature

Tension
. Axial tension
. . Biaxial tension
. . Triaxial tension
. Hoop tension
. Moisture tension
. Surface tension

Tests
. Accelerated tests
. Aquifer tests
. Bond tests
. Destructive tests
. Dynamic tests
. . Impact tests
. . Seismic tests
. . Vibration tests
. Electrical insulation tests
. Environmental tests
. . Exposure tests
. . High temperature research
. . Wetting and drying tests
. Field tests
. . In situ tests
. . . Foundation bearing tests
. . . Jacking tests
. . Plate load tests
. . Ponding tests
. Filter tests
. Friction tests
. Impulse tests (electrical)
. Index tests
. Laboratory tests
. Loading tests
. Materials tests
. . Acceptance tests
. . Compaction tests
. . Compression tests
. . Concrete tests
. . Corrosion tests
. . Creep tests
. . Fatigue tests
. . Freeze-thaw tests
. . Hardness tests
. . Metal tests
. . Notch tests
. . Penetration tests
. . Pipe tests
. . Pressure tests
. . Rock tests
. . Soil compression tests
. . Soil consolidation tests
. . Tension tests
. . Triaxial tests
. . Ultrasonic tests
. Model tests
. Nondestructive tests
. . Radiographic inspection
. . Sonic velocity tests
. . X-ray inspection
. Percolation tests
. Performance tests
. Permeability tests
. . Field permeability tests
. . Thiem test
. Pile tests
. Prototype tests
. Pull tests
. . Pull-out tests
. Pumping tests (wells)
. Pump tests
. Shear tests
. . Drained shear tests
. . Torsion shear tests
. . Undrained shear tests
. . Vane shear tests
. Shock tests
. Soil tests
. Static tests

Theory
. Brittle fracture theory
. Elastic theory
. Griffith theory
. Information theory
. Minimum weight theory
. Mohr failure theory
. Plastic theory
. Queueing theory
. Regime theory

Thermodynamics
. Emissivity
. Heat transfer

Torches
. Welding torches

Toxicity
. Pesticide toxicity
. Phytotoxicity

Tracers
. Radioactive tracers

Tractive forces
. Critical tractive force

Training
. Management training
. Orientation

Transducers
. Piezoelectric transducers

Transfer
. Energy transfer
. Heat transfer
. Interbasin water transfers
. Mass transfer
. Momentum transfer
. Water transfer

Transformations
. Phase transformations

Transitions (structures)
. Intake transitions

Translating
. Machine translating

Transmission (electrical)
. Tuned transmission

Transmission lines
. Submarine cables
. Underground transmission lines
. Wood pole transmission lines

Transportation
. Hydraulic transportation
. Water transportation

Transport phenomena
. Conduction
. Convection
. Cooling
. . Supercooling
. . Water cooling
. Diffusion
. . Electroosmosis
. . Ion diffusion
. . Jet diffusion
. . Osmosis
. . Reverse osmosis
. . Thermal diffusion
. Energy transfer
. Heating
. . Induction heating
. Heat transfer
. Mass transfer
. Momentum transfer
. Radiation
. . Ambient light
. . Background radiation
. . Beta particles
. . Bottom reflected light
. . Cosmic rays
. . Elastic waves
. . Electromagnetic waves
. . Gamma rays
. . Infrared radiation
. . Noise (sound)
. . Solar radiation
. . Thermal radiation
. . Ultraviolet radiation
. . X rays
. Radio waves
. . Microwaves
. Viscous flow

Treaties
. International compacts

Treatment
. Aerobic treatment
. Biological treatment
. Heat treatment
. . Annealing
. . Stress relieving
. Soil treatment
. Waste treatment
. . Activated sludge
. . Industrial waste treatment
. . . Radioactive waste disposal
. . Sewage treatment
. . . Sewage stabilization
. . Sludge treatment
. . Solids contact process
. . Tertiary treatment
. Water treatment
. . Deaeration
. . Demineralization
. . . Desalination
. . Pre treatment (water)
. . Waste water treatment
. . Water pollution treatment
. . Water purification
. . . Self purification
. . Water softening

Trenches
. Cutoff trenches

Tropisms
. Geotropism
. Phototropism
. Rhetropism

Trusses
. Arch trusses
. Continuous trusses

U

Utilities
. Electric utilities
. Public utilities
. Sewage treatment plants
. Water treatment plants
. Waterworks

V

Vacuum
. Negative pressure
. Subatmospheric pressure
. Vapor pressure

Vacuum apparatus
. Vacuum pumps

Value
. Condemnation value
. Market value
. Peak values
. Property values
. Salvage value
. Social values
. Water values

Valves
. High pressure valves
. Hydraulic valves
. . Alfalfa valves
. . Butterfly valves
. . Check valves
. . Flap valves
. . Gate valves
. . Globe valves
. . Hollow jet valves
. . Needle valves
. . Plug valves
. . Sleeve valves
. Pressure regulators
. Relief valves

Vanes
. Guide vanes
. Stay vanes

Vaporization
. Boiling
. Evaporation
. . Pan evaporation
. . Potential evaporation
. . Reservoir evaporation

Vegetal cover
. Nesting cover
. Shore line cover

Vegetation establishment
. Reforestation

Velocity
. Critical velocity
. High velocity
. Seismic velocity
. Settling velocity
. Wave velocity
. Wind velocity

Vibration
. Aeolian vibration
. Forced vibration

Vitamins
. Vitamin B

Voltage dividers
. Autotransformers
. Potentiometers

Volume change
. Dilatation
. Dilation

W

Walls
. Curtain walls
. Cutoff walls
. Fire walls
. Groins (structures)
. Guide walls
. Headwalls
. Retaining walls
. . Anchored bulkheads
. . Crib walls
. Sea walls
. Training walls

Warning systems
. Fire alarm systems

Waste dumps
. Garbage dumps

Wastes
. Animal wastes (wildlife)
. Chemical wastes
. Domestic wastes
. Farm wastes
. Garbage
. Industrial wastes
. . Mine wastes
. . . Coal mine wastes
. . . Strip mine wastes
. . Pulp wastes
. Liquid wastes

Wastes (Con.)
. Municipal wastes
. Oil wastes
. Organic wastes
. Radioactive wastes
. Recreation wastes
. Sewage
. . Sewage sludge
. Solid wastes
. . Wood wastes
. Sulfite liquors
. Urine
. Waste water

Water content
. Liquid water content

Watercourses (legal)
. Artificial watercourses
. Developed waters
. Ephemeral waters
. Intermittent streams
. Natural streams
. Perennial streams

Water law
. Law of the sea
. Natural flow doctrine

Water levels
. Potentiometric level

Water pollution
. Stream pollution
. Thermal pollution

Water rights
. Prescriptive rights
. Prior appropriation
. . Adjudication procedure
. . Appropriation (water rights)
. . Preferences (water rights)
. Pueblo water rights
. Riparian rights
. . Natural flow doctrine

Water table
. Perched water table

Water types
. Acidic water
. . Acid mine water
. Adsorbed water
. Alkaline water
. Bound water
. Cooling water
. Developed waters
. Domestic water
. Drainage water
. Floodwater
. Fresh water
. . Melt water
. . Snowmelt
. Heated water
. Heavy water
. Hydraulic mining water
. Impounded waters
. Industrial water
. . Boiler feed water
. Irrigation water
. . Return flow
. Meteoric water
. Mineral water
. Municipal water
. Percolating water
. Potable water
. Precipitable water
. Rain water
. Recirculated water
. Reclaimed water
. Saline water
. . Brackish water
. . Brines
. . Sea spray
. . Sea water
. Soil water
. . Excess water (soils)
. Spring waters
. Stagnant water
. Stock water
. Subsurface waters
. . Artesian water
. . Capillary water
. . Confined water
. . Connate water
. . Fringe water
. . Gravitational water
. . Groundwater
. . Hygroscopic water
. . Juvenile water
. . Malenclaves
. . Saline groundwater
. . Underflow
. . Vadose water
. Surplus water
. Thermal water
. Waste water (pollution)

Water utilization
. Competing uses
. Natural use
. Non-consumptive use

Waterways
. Aqueducts
. Channels
. . Alluvial channels
. . Approach channels
. . Canals
. . Concrete-lined canals
. . Earth-lined canals
. . Entrance channels
. . Floodways
. . Grassed waterways
. . Inland waterways
. . Intake channels
. . Irrigation canals
. . Laterals
. . Lined canals
. . Navigable rivers
. . Open channels
. . Spawning channels
. . Stable channels
. . Stream channels
. . Tailrace
. . Trapezoidal channels
. . Unlined canals
. Drains
. . Chimney drains
. . French drains
. . Horizontal drains
. . Open drains
. . Sand drains
. . Storm drains
. . Subsurface drains
. . Tile drains
. . Toe drains
. . Underdrains
. . Vertical drains
. . Weepholes
. Estuaries
. Flumes
. . Parshall flumes
. . Trapezoidal flumes
. . Venturi flumes
. Inlets (waterways)
. Interstate rivers
. Natural streams
. Non-perennial streams
. Perennial streams
. Rivers
. Streams
. Tributaries
. Wild rivers

Water yield
. Reservoir yield

Weather modification
. Cloud modification
. Cloud seeding
. Fog dispersion
. Induced precipitation

Weirs
. Broad-crested weirs
. Cipolletti weirs
. Rectangular weirs
. Sharp crested weirs
. Submerged weirs
. Vee-notched weirs

Welding
. Arc welding
. Electroslag welding
. Spot welding
. Welds

Wells
. Deep wells
. Disposal wells
. Observation wells
. Oil wells
. Relief wells
. Shallow wells
. Water wells
. . Artesian wells
. . Drainage wells
. . Injection wells
. . Irrigation wells
. . Recharge wells

Wetlands
. Coastal marshes
. Freshwater marshes
. Mangrove swamps
. Marshes
. Salt marshes
. Swamps
. Tidal marshes

Wheels
. Turbine wheels
. Water wheels

Wind (meteorology)
. Chinook
. Gusts
. Jet streams (meteorology)
. Lake breezes
. Land breezes
. Monsoons
. Sea breezes
. Squalls

Wire
. Electric wire

Z

Zone of aeration
. Capillary fringe